Volume 80 July-December 1989

Barzilai B, I-275

Aarhus LL, 651 Abdelnoor M, I-43 Abendschein DR, 1775 Adachi I, I-135 Adams SP, 1775 Addonizio LJ, III-84 Adielsson G, 1549 Adractas AJ, III-167 Akagi H, I-135 Akalin H, III-192 Akasaka T, 1521 Akhtar M, 43, 1925, IV-31 Akins CW, I-49 Alamercery I, 853 Albada J, 935 Alberti A. 807 Alberti M, 1301 Alderman EL, III-100 Aldridge J, 1190 Alexander RW, 458, 1924 Alpert BL, 1557 Altschuld RA, 573 Amano J, I-222 Ambrosio G, 1846 Ameisen O, 533 Anand IS, 299 Anderson JL, 1557 Anderson L, 1222 Anderson WA, III-183 Anderson WF, 1347 Angus JA, I-141 Antz M. 1412 Appel ML, 1498 Appleton C, 419 Appleton TJ, 361 Appleyard RF, 1360 Archard LC, 1128 Aris A, III-192 Armbrecht JJ, 863 Armstrong PW, 17 Arrowood JA, 1293 Atterbom HA, III-59 Aurigemma GP, 1595 Avitall B, 43 Avolio A, 1652

Babbitt DG, 1388 Babic R, I-168 Bache RJ, IV-40 Baerman JM, 112 Bagchi M, III-36 Bailey JC, 1421 Bailey KR, 504 Bajaj AK, 994 Baker BJ, 438 Balakrishnan KG, 429 Banner NR, 1128 Bargiggia GS, 1287 Barner HB, I-16 Baron K, 793, 1675 Barrett R, III-158 Barretto ACP, I-177

Axel L, 1595

Ayres SM, 1198

Bassenge E, 1862 Batist G, III-10 Baumann FG, I-249 Bavaria JE, 1016 Baxterc D, 1449 Becker LC, 1816, 1846 Beckman JK, 713 Behrenbeck T, 1277 Belardinelli L, 128, 1536 Belenkie I, 178 Beller GA, IV-78 Bellotti G, I-177 Beltz J, 1338 Bender HW Jr, III-25 Bengtson JR, 1585 Benhorin J, 1301, IV-102 Benowitz NL, 1309 Benson DW Jr, 106 Benson LN, 1706 Beranek J, 1924 Berg WJ, 65 Bergh C, 551 Bergofsky EH, 1198 Bernier M, 1432 Bertucci C, 1287 Bessen M, 873 Bevan JA, IV-178 Bhandari AK, 1557 Bharati S, 951 Bhatia ML, 335 Bianco R. I-183 Billman GE, 146 Birnbaum PL, I-151 Bisera J, 684 Björkman H, 1549 Blacky AR, 267 Blair SN, 846 Blankenhorn D, 739 Blasi ADe, 712 Blaustein A. 1449 Block PC, I-49 Boden WE, 1148 Bogen DK, 1016 Boineau JP, I-97 Bolli P, IV-136 Boltwood CM Jr, 1360 Bolzano K, 1313 Bonow RO, 1259 Bonzel T, 51, 466 Boomsma F, 903 Bors V, III-90, III-152 Boswick JM, 245 Bottner RK, 1580 Bourassa M, 421 Bourge RC, III-140 Bousvaros G, I-65 Bowles NE, 1128 Brace L, III-54 Bradford RH, 735 Branham BH, I-97 Brasch RC, 969

Braunwald E. 410 Breslow JL, 724, 1313 Brewer HB Jr, 735 Breyer RH, III-36 Bridges CR Jr, III-183 Bridges ND, I-216 Brofman PR, I-269 Brooks SE, 1805 Brown BG, 1726 Brown WV, 729 Brundage BH, 1198 Brunken RC, 863 Brunzell JD, 735 Bruschke AVG, I-1 Brusino FG, I-209 Buckley MJ, I-49 Bühler FR, 1041, IV-136 Bühlmeyer K, I-168 Buja LM, 196 Buring JE, 234, 749 Burnett JC Jr, 651 Burstow DJ, 504 Burton GW, III-14 Buser PT, 1837 Buxton BF, I-141 Buxton DB, 863

Cabrol A, III-90, III-152, III-192 Cabrol C, III-90, III-152 Caceres J, 43 Caidahl K, 551 Califf RM, 245, 1159, 1222, 1585 Camarano GP, III-202 Cameron DE, III-44 Camm AJ, 1489 Campbell WB, 196 Campolo L, 807 Cannon PJ, III-122 Cannon R, 421 Cannon RO III, 1259, 1909 Canty JM Jr. 1458 Capone RJ, 1148 Cardinal R, I-124 Cardiovascular Surgeons at the University of Toronto, the, I-77, I-151 Carew TE, 719 Carleen E, IV-102 Carmichael MJ, III-192 Carpentier A, I-197, I-264 Carter SM, 669 Cassidy D, III-158 Castaneda AR, I-203, 831, 1689 Castellanos A, 1571 Cato EL, 1003 Chacko VP, IV-17 Chagas ACP, III-202 Chance B, 1668 Chandraratna PAN, 515 Chau NP, 341 Chauvaud S, I-197 Cheitlin MD, 1906 Cheng C, 1378 Chesebro JH, 1277, 1501 Chesler E, 1190

Braun P, 1240 Braunlin EA, 106 Chien KR, 219 Child JS, 710 Chilson D. 757 Chin AJ, I-216 Chin MC, 1527 Chisholm RJ, 17 Chiu R-J, III-10 Chow E, III-147 Chow LC, 823 Christakis GT, I-151 Chu A, 1627 Ciuffetti G, 348 Clack R, I-183 Clarke RH, 189 Cleeman JI, 735 Clements FM, III-1 Cobanoglu MA, 525 Cobb FR, 769, 1627 Cockrell J, 1527 Codd MB, 564 Coffman JD, 1089 Coggan A, 1338 Cohen C, 276 Cohen M, 840 Cohen RJ, 1498 Cohn JN, 1660 Colan SD, 1689 Colditz GA, 1320 Coleman GM, I-91 Collen D, 581, 1222 Coller BS, 581, 1766 Collins R, 749 Colombo A, 87 Colucci WS, 314 Colvin SB, I-249 Conant R, 816 Condorelli G, 883 Condorelli M, 883 Cooley DA, I-57 Cooper AD, I-109 Cooper K, 846 Copeland J, 1190 Copeland JG, III-192 Coronado R, I-57 Coronel R, 165 Corretti M, IV-17 Coselli JS, I-233 Cossette R, I-124 Costanzo-Nordin MR, III-106 Costard-Jäckle A, 1412 Cowley M, 421 Cox DA, 458 Cox JL, I-97 Cox MM, 1571 Coxe DR, 1003 Coyle E, 1338 Craver J, 276 Crawford ES, I-233 Crawford MH, IV-74 Creager MA, 314 Cribier A, 1514 Criqui MH, 609 Crossman DC, 475 Culliford AT, I-249 Cunningham L, 1128 Currie PJ, 215

da Luz PL, I-177, III-202 Dani R, 178 Danielson GK, I-191 Darcel IC, I-8 Das DK, III-36 David D, 1098

Cusma J, 1627

David TE, I-77, I-151, I-269 Davies GJ, 475 Davignon J. 744 Davis CE, 739 de Gaudemaris R, 341 De Luca N, 883 de Medina EOR, 962 de Oliveira SA, I-177 de Servi S, 1287 DeBoe SF, 941 Debowey D, 1159 Deckelbaum LI, 1893 Deeb S, 724 Dein JR, III-79 DeJesus ST, 189 del Nido PJ, III-30 Deloche A, I-264 Dembitsky W, III-192 DeMots H, 1190 Deneke SM, 1449 Denes P, 1925 Derby GC, I-24 Derugin N, 1837 DeSanctis RW, 1925 Desruennes M, III-90, III-152 Detrano R, 87 Detre K, 421 Detre KM, 1198 Deupree RH, 1176 Devereux RB, 915 DeVries WC, III-192 Deweese JA, III-73 Di Donato RM, 1689 Dibner-Dunlap ME, 1293 Dichek DA, 1347 Diederich D, 1041 Dietschy JM, 729 Dimeo F, III-183 Dinatale JM, III-44 Distante A, 450, 807 Dittrich H, 267 Dittrich HC, 823 Dodge HT, 1925 Doherty J, 1190 Donath K, 1603 Dorros G, 421 Douglas PS, 353 Drake-Holland AJ, 1476 Drexler H, 466 Drexler M, 24 Driscoll D, 840 Duanxing F, 1354 Dubach P, 87 Duff HJ, 34 Dujovne CA, 744 Dullet N, 1527 Dunnigan A, 106 Dupon JW, 969

Echt DS, 1003, 1247 Edmunds LH Jr, 1016 Edwards BS, 651 Edwards J, I-183 Edwards WD, 1198 Eidt J, 196 El Asmar B, I-197 Eldrup-Jorgensen J, III-54 Elkins RC, III-209 Ellenbogen KA, 218 Ellis SG, 1159 Emery R, 1190 Engelman RM, III-36

Dustan HP, 1925

Engle C, 1870
Engler R, 267
Engler RL, 1400
English T, III-192
Epstein AE, III-140
Epstein LM, 757
Epstein SE, 1259, 1923
Erbel R, 24
Erne P, IV-136
Ewels CJ, 1580
Eysmann SB, 353
Ezekowitz MD, 1029

Fabiani J, I-264 Faletra F. 807 Fananapazir L, 1259, 1923 Fanburg BL, 1449 Fann JI, I-24, I-109, I-257 Farhi ER, 1458 Farrar DJ, III-147 Farrell PE Jr, I-216 Fauchet M, III-19 Faxon D, 421 Fedele FA, 636 Feigen LP, 1775 Feit F, 1166 Feldman MD, 1757 Ferguson DW, 65, 285 Fernandez P, 1571 Ferrari R, 299 Ferraro N. 1338, 1668 Fick GH, 99 Fielding C, 719 Fifer MA, I-49 Finkbeiner WE, 969 Finkelstein D, 581 Finkle CD, III-14 Fiolet JWT, 165 Fisch C, 1925 Fish RD, 458 Fishman AP, 1198, 1207 Fitzgerald DJ, 1718, 1918 FitzGerald GA, 1718 Flanigan DP, III-54 Flavahan NA, 643 Flecainide Supraventricular Tachycardia Study Group, the, 1557 Fleck E, III-133 Floten S, 1190 Fogelman AM, 719 Folland E, I-65 Folts JD, 1766 Forfar JC, 1642 Forman MB, 713, 1388 Franz MR, 1412 Fraser R, 893 Frazier OH, I-91, III-126 Freedman RR, 859, 1923 Freedom RM, 1087, 1706 Freeman MR, 17 Freeman SM, 1347 Fremes SE, I-77 Friedman GD, 1493 Frishman WH, IV-151 Frist WH, III-25 Fritsma G, III-54 Froelicher V, 87

Fujiwara H, 1137

Fujiwara T, 1137 Fujiwara Y, 1137

Fukaya T, 1521

Fuller RW, 475

Furberg C, 739

Furukawa T, 599

Fuster V, 840, 1501 Fuzesi L, III-84

Gal D, 189 Galbraith TA, III-147 Gallagher KP, 941 Galloway AC, I-249 Gandjbakhch I, III-90, III-152 Ganz P, 458 Gao S, III-100 Gara E, 807 Gardner TJ, III-44, 1893 Garson A Jr, 1925 Gauthier DF, 314 Gavish D, 1313 Gazmuri RJ, 684 Geishauser M, I-168 George BS, 245, 1159 Gersh BJ, 564 Gessert J. 873 Gessler CJ, 491 Gettes LS, 1870, 1925 Gewirtz H, 636 Gianrossi R, 87 Gibbons L, 846 Gibbons RJ, 1277 Gibson RS, 1148, IV-107 Giglia TM, I-203 Gilbert EM, 1557 Gillis AM, 34 Gilpin EA, 267 Gimple LW, 581 Gindi GR. 1893 Ginsberg H, 729 Ginzton LE, 816 Gittenberger-de Groot AC, I-168 Glantz SA, 1360 Glorioso N, 893 Goetsch B, 1412 Goetting MG, 361 Gold HK, 581 Goldberg HR, 757 Goldfarb RD, 712, 1795 Goldhaber SZ, 234 Goldman BS, I-77 Goldman L, 254 Goldman S, 1190, 1886 Goldring RM, 1198 Golino P, 196 Gonzales A, IV-162 Goodman DS, 735 Goodnight S, 729 Gorczynski RJ, 1775 Gordon DJ, 739 Gorman G, 951 Gosselin AJ, 599 Gotto AM Jr, 715 Gradinac S, I-91 Graham AR, 951 Gray LA Jr, III-147 Greeley WJ, I-209 Green CE, 1580 Green RM, III-73 Greene ER, III-59 Greene HL, 713 Greene PS, III-44 Greenland P, 735 Gregg R, 744

Griffin JC, 757, 1527

Groenenberg IAL, 1711

Griffith B, III-192

Griffith J. 873

Grines CL, 245

Grossi EA, I-249 Groves BM, 1198 Gruber HE, 1400 Grundy SM, 729 Gupta KB, 1016 Guth BD, 983 Guyton R, 276

Haakenson C, 1190

Haapanen A, 10 Hackman BB, 1231 Hackney K, 353 Hagege AA, 589 Halbe D, I-16 Halbrook H, III-192 Halperin JL, 1501 Hamasaki N, 782 Hammermeister KE, I-65 Hammon JW Jr, III-25 Hammond RL, III-183 Hanashima K. 120 Handen CE, I-24 Handschumacher MD, 589 Harada A, I-97 Hargrave VK, 625 Harker LA, 1190 Harpole DH, III-1 Harrigan P, 589 Harris C, 1595 Harris LJ, I-249 Harris PC, 299 Harrison DG, 703 Hartley LH, 314 Hasenfuss G, 51 Haskel EJ, 1775 Haudenschild C, 1029 Hauer RNW, 962 Havel M, 1681 Havel RJ, 744 Haverich A, III-97 Hawkinson RW, 1557 Hayashi H, 542 Hayes DW, 285 Haywardc C, 1652 He G, I-141 Healeyc N, 1449 Hearse DJ, 1432 Heifetz SM, 1660 Heikkilä K, 10 Heiss HW. 51 Henderson W, I-65, 1190 Hennekens CH, 234, 749, 1320 Henning H, 267 Henry WL, 873 Henthorn RW, 1557 Herbert Y, III-192 Hershon JJ, III-147 Hess KR, I-233 Hetzer R, III-133 Heublein B, III-97 Heublein DM, 651 Higginbotham MB, 769 Higgins CB, 1837 Hill JD, III-147 Hinohara T, 1585 Hirai M, 542 Hirai T, 78 Hiroe M, 615, 1737 Hirose H, I-243 Hirota Y, I-135 Hittinger L, 658 Hjalmarson Ake, 267, 551 Hlatky MA, 1585

Hodgson JMB, 1293

Hoffman EJ, 1328 Holmes D Jr. 421 Holmes DR Jr, 504 Holt J, 1190 Holtz J. 1862 Holubarsch C, 51 Holubkov R, 421 Holzinger C, 1681 Homans DC, III-111 Honan MB, 1585 Hop WCJ, 1711 Horike K. 1137 Horiuchi H. 782 Hosenpud JD, 525 Hoskins RS, 146 Howard B, 729 Hozumi T, 1521 Hsu DT, III-84 Huang S, 1328 Huang SKS, 951 Huikuri H, 1571 Hulley SB, 735 Hulthén UL, IV-136 Hunninghake DB, 744 Hunt SA, III-100 Hurwitz JB, I-249 Huttunen J, 739 Huysmans HA, I-1 Hwang MH, I-65

Hoffer ME, 1400

Igarashi Y, 1378
Ikeda K, 120
Illes RW, III-30
Imura H, 1137
in 't Veld AJ, 903
Indolfi C, 983
Ingold KU, III-14
Inoue K, 782
Interian A Jr, 1571
ISAM Study Group, the, 853
Ishida M, 1137
Isner JM, 189
Itoh H, 1737
Ivanov J, I-8, I-77, I-151, III-14
Ives DG, 261

Jaffe AS, 1079 Janicki JS, 1207 Janse MJ, 165 Jatene AD, I-177, III-202 Jazayeri M, 43, IV-31 Jebara VA, I-264 Jelnes R, 1549 Jenkins MG, 1870 Jennings RB, 1805 Jeremy RW, 1816 Jifeng F, 1354 Jing W, 380 Johns JA, 581 Johnson EC, 625, III-59 Johnson KE, III-192 Johnson TA, 1870 Johnston WE, 1378 Jonas RA, 1689, I-203 Jones DJ, III-209 Jones EL, 276 Jones RH, III-1 Jordan R, 1766 Josa M, 1190 Josephson ME, 1925 Joy J, 429 Joyce LD, III-192 Just H, 51, 466

Kadish AH, 1063 Kaesser UR, IV-145 Kalra GS, 299 Kaltenbrunner W, I-124 Kanakakis JE, III-167 Kantor P, 138 Kaprio J, 10 Kass DA, 1783 Katz S, 306 Kawaguchi A, III-90, III-152 Kawai C, 1137 Kawamura A, 1137 Kawamura K, I-135 Kawanishi DT, 515, IV-162 Kawasaki T, 78 Kawashima Y, I-243 Kay GN, III-140 Kay JM, 1198 Keane JF, 831 Kellermann AL, 1231 Kelley RE, 573 Kelly P, 658 Kelly R, 1652 Kelsey S, 421 Kempf JS, 65 Kennedy DJ, III-174 Kennedy JW, 1925 Kent K, 421 Kent KM, 1580 Keon WJ, III-192 Kereiakes D, 245 Kereiakes DJ, 1159 Keren G, 306 Kerins DM, 1718 Kern FH, 1-209 Kernis J, 1198 Kesäniemi YA, 10 Kessler KM, 1571 Khuri S, 1176 Kida M, 1137 Kienzle MG, 65 Kimura T, 782 King SB III, 1924, IV-88 Kinnunen P, 390 Kiowski W, IV-136 Kirby ML, 1469 Kirklin J, 1190 Kirklin JK, III-140 Kirklin JW, 1912 Kjellström T, 1549 Kleiger RE, 1148 Klein GJ, 1902 Kligfield P, 533 Kline E, 245 Klocke FJ, 1458 Kloner RA, 1115 Knight JD, 769 Knowlton KU, 219 Kohin S. 658 Kohl HW, 846 Koike A, 1737 Komeda M, I-269 Komori K, 401 Kondo C, 615 Koning R, 1514 Koretsune Y, 369, IV-17 Kosek JC, I-109 Koskenvuo M, 10 Koslow AR, III-73 Koster JF, 158 Kostner GM, 1313 Kostuk WJ, III-116

Kotlewski A, 515

Kouchoukos N, I-275 Kragel AH, 1747 Kraicer Z, I-57 Kramer-Fox R, 915 Kressel HY, 1595 Krishna GG, IV-47 Krivokapich J, 1328 Krukenkamp IB, III-30 Kübler W. 1610 Kubo SH, 1660, III-111 Kubota I, 120 Kucharski K, III-19 Kuehl WD, 1627 Kuller LH, 261 Kusama Y, 1432 Kusukawa J, I-135 Kusuoka H, IV-17

La Rosa JC, 729 L'Abbate A, 450, 807 Labovitz AJ, 707, I-16 Laczkovics A, 1681 Lader AS, 658 Laher I, IV-178 Laifer LI, 1893 Laikind PK, 1400 Laks MM, 816 Lalouel JM, 724 Lambert M, 138 LaMendola CL, I-249 Lancaster L, 1190 Lane TA, 1400 Lang G, I-183 Lang P, 1689 Langberg JJ, 757, 1527 Langer RD, 609 Lanoce V, 1668 Larkinc SW, 475 Lassila R, 712 Lattanzi F, 450, 807 Laupacis A, 1902 Laustiola KF, 712 LaVeau PJ, 1029 Lawless CE, 1498 Le Boeuf R, 724 Le Pimpec F, III-19 Leachman RD, I-57 Lee CY, 1795 Lee JT, 1247 Lee KJ, 1795 Lee KL, 1159 Lee RB, III-25 Lee RW, 1886 Lefebvre E, 1514 Leger P, III-90, III-152 Lehmann K, 87 Lehmann M, 51 Lehmann MH, 324 Leier CV, 573 Leinbach RC, 581 Leirner A, III-202 Leizorovicz A, 853 LeJemtel TH, 306 Lembo G, 883 Lennie SE, 348 Leon MB, 1259, 1347 Leopold B, 1313 Leppäluoto J, 390 Lerman BB, 1536 Letac B, 1514 Lev M, 951 Levine JH, 1063 Levine RA, 589

Levine RJ, 739

Levinson JR, I-49 Levitsky S, III-30 Levy MN, IV-23 Levy PS, 1198 Levy RI, 739 Liang C, 1010 Linderer T, 853 Lindgärde F, 1549 Ling P, 1269 Lion T, 1681 Lipton MJ, 969 Lisbona R, 1636 Lister JW, 599 Litt MR, 1816 Little RE, III-140 Little WC, 1378 Locati E, 1301 Lock JE, 831 Loebe M. III-133 Lohman JE, 1098 Loisance D, III-192 Losem CJ, IV-145 Loveday M, I-109 Lowe G, 348 Lucchesi BR, IV-1 Luchi RJ, 1176 Lüscher TF, 1041 Luu M, 1675

Mace L. I-197 Madeddu P, 893 Madonikc MM, III-14 Mady C, I-177 Mahley RW, 719 Mahmarian JJ, 1277 Mahon D. 873 Maisel AS, 669 Malashenko B-A, III-10 Mallery JA, 873 Malliani A, 218 Mallion JM, 341 Man AJ, 903 Mancini DM, 1338, 1668 Mancini GBJ, 941 Manders WT, 658 Mannarino E, 348 Mannisi JA, 1846 Manthey J, 1610 Manubens SM, 625 Manunta P, 893 Manyari DE, 99 Marban E, 369, IV-17 Marboe CC, III-122 Marcus ML, 1240 Marino JP, I-197 Marino P, 1783 Mark DB, 1585 Maron BJ, 1259 Marsh JD, 314 Marshall JE, 589 Marshall WG Jr, I-275 Martin GB, 361 Marzilli M, 807 Masek R, 1222 Maseri A, 475 Masini M, 450 Mason JW, 1925 Massa D, 807 Masud Z, 1190 Masuyama T, 925 Materson BJ, IV-128 Mathern G, 341 Mathey DG, 1603 Matsuda H, I-243

Matsuda M, 1137 Matsumori A, 1137 Matsumoto T, III-49 Matsuwaka R. I-243 Matsuyama K, 1617 Maughan WL, 1783 May K. I-109 Mayer JE Jr, 1689, I-203 Mayes MD, 859, 1923 McAllister DR, 1400 McArthur D, 87 McBride LR, III-174 McCance AJ, 1642 McCully K, 1668 McGill HC, 729 McGillem MJ, 941 McGoon DC, 840 McGoon MD, 651 McKenna WJ, 1489 McKenzie FN, III-116 McKinnie J, 43 McLeay L, 873 McRae M, 873 Meadows J. 438 Mehra NK, 335 Meinertz T, 51, 466 Melton LJ III, 564 Menasché P, III-19 Menkis AH, III-116 Mercuri M. 348 Merhige ME, III-158 Merri M, 1301 Merrill WH, III-25 Mersereau W, III-10 Messerli FH, IV-145 Mestiri T, III-90 Meyer J, 24 Meyer JP, III-54 Michel MC, 669 Michelassi C, 450 Mickle DAG, III-14 Miettinen T, 744 Mihaileanu S, I-197 Miller DC, I-24, I-65, I-109, I-257 Miller JG, 491 Miller LW, III-174 Milunski MR, 491 Minisi AJ, 1878 Mitchell LB, 34 Mitchell RS, I-257 Miura T, 983 Miyamoto AT, 782 Miyazaki S, 983 Mizutani M, 542 Mock MB, 700 Mohanty PK, 218, 1293 Mohlala ML, III-44 Mohr GA, 491 Mohr R. I-191 Mohr-Kahaly S, 24 Molina JE, I-183 Molinoff PJ, 903 Montain S. 1338 Montoya A, 1190 Moore R, IV-14 Moores W, 1190 Moreira LFP, III-202 Morgan-Capner P, 1128 Morganroth J, 1063 Mori T, 782

Moritz T, 1190

Moroe K, 599

Moriuchi M, 873

Morris KG, 1627

Morris RJ, III-49 Morton M.I. 525 Moseley ME, 969 Moser KM, 1486 Moss AJ, 1301, IV-102 Moss G, I-183 Most AS, 636 Moulopoulos SD, III-167 Mukoyama M, 1137 Mullane KM, 1828 Mullany CJ, 700 Müller FB, IV-136 Münzel T, 1862 Multicenter Diltiazem Post-Infarction Research Group, the, IV-102 Mulvagh SL, III-126 Mulvihill D, 87 Mumma M, 1378 Mundler O, III-19 Muneretto C, III-90, III-152 Murnane MR, 573 Musewe NN, 1706 Myerburg RJ, 1571, 1925 Myler R, 421

Nadal-Ginard B, I-203 Nadeau R, I-124 Nademanee K, 793 Naito HK, 735 Nakanishi T. 615 Nakano S, I-243 Nakao K, 1137 Nakashima H, 782 Narins RG, IV-47 Narula J. 335 National Heart Lung, and Blood Institute's Percutaneous Transluminal Coronary Angioplasty Registry, coinvestigators of the, 421 Nattel S, 380 Navetta F, 1627 Nayebpour M, 380 Neves J, III-140 Neville RF, 1347 Newell JB, I-49 Nicholls SC, 1726 Nichols AB, III-122 Nicod P, 267, 1486 Nicod PH, 823 Niczyporuk MA, I-24 Nieuwenhuis HK, 935 Nishimura RA, 504 Nitter-Hauge S, I-43 Noakes T, 138 Noble MIM, 1476 Nobuyoshi M, 782 Nogami A, 599 Noon G, III-192 Noon GP, III-126 Norman DJ, 525 Norton H J, III-126 Norwood WI, I-216 Nosaka H, 782 Nowak RM, 361

Oakes D, IV-102 Obata K, 1617 Oberman A, 416 O'Brian M, III-73 O'Brien KM, 1893 O'Connor GT, 234 O'Connor MK, 1277 Oelert H, 24 Ogawa H, 1617 Ogawa OH, III-192 Ohkubo N, I-243 Ohsugi S, 542 Ohtani M, I-243 Okamura T, III-49 Okin PM, 533 Okumura K, 1617 Olivari M. III-111 Olmstead EM, 234 O'Neill WW, 245 Opherk D. 1610 Opie LH, 138, 1049 Oppenheim G, 925 Oprian C, I-65 Opthof T, 165 O'Rourke M, 1652 O'Rourke RA, IV-162 Orsini E. 450 Oshima S, 1617 O'Sullivan EJ, III-106 Ouriel K, III-73 Ovitt T, 1190 Owen RM, 1757 Oyer PE, I-257, III-79

PACK Claudication Substudy Investigators, Packer M, IV-59 Pacold I, 1190 Paffenbarger RS Jr, 234 Pagé PL, I-124 Palacios IF, I-49 Palevsky HI, 353, 1207 Palmouist I, 1549 Pandian NG, 1091 Pantely GA, 525 Paradis NA, 361 Parikh D, 1190 Parisi AF, 1176 Parmley WW, 969, 1837, IV-68 Passamani E, 739 Pathak D. III-59 Patrick TA, 658 Patrissi GA, 1580 Paul MH, 106 Paul O. 206 Pavie A, III-90, III-152 Pazzola A, 893 Pearson AC, I-16 Pedrinelli R, 485 Pelen O, 341 Pellikka PA, 1277 Pennington DG, III-174 Pennington G, III-192 Pérez JE, 491 Perloff JK, 710 Perper JA, 261 Perry SB, 831 Peterson A, III-192 Peto R, 749 Petrossian GA, III-122 Pflugfelder PW, III-116 Phelps ME, 863, 1328 Phillips C, 669 Phillips SJ, III-192 Piazza C, III-90 Picano E, 450, 807 Pickel A, 1159 Pietra GG, 1198, 1207 Pifarré R, III-106, III-192

Pigott JD III, I-216

Pileggi F, I-177 Pilote L, 1636

Pini R, 915

Pirelli S, 807
Piwnica-A, III-19
Plumb VJ, III-140
Poole-Wilson PA, 299
Popp RL, 925
Ports TA, 625
Posel D, 138
Powers ER, III-122
Prasad MR, III-36
Preston RA, IV-128
Prischl FC, 1681
Pritchett ELC, 1557
Pryor DB, 1585
Prystowsky EN, 1902
Przyklenk K, 1115
Puga FJ, I-191

Quigg RJ, 314 Rackow EC, 684

Radovancevic B, III-126 Rahimtoola SH, 515, 693, IV-162 Raisaro A, 1287 Rajyaguru V, III-49 Rakowski H, I-8 Ralston MA, 573 Rankin JS, III-1 Rasmussen T, I-183 Ratcliffe MB, 1016 Ratib O, 1328 Raya TE, 1886 Read R, 1190 Recientes E, 1580 Rector TS, 1660 Recusani F, 1287 Reddy KS, 335 Reddy SG, 1747 Redfield MM, 651 Reed DM, 609 Reed KL, 1914 Reeder GS, 504 Reedy JE, III-174 Reemtsma K, III-122 Reeves TJ, 1925 Reichek N, 353, 1595 Reid CL, 515, IV-162 Reid LM, 1198 Reimer KA, 1805 Relland J, I-197 Rendall DS, 1585 Rennollet H, 24 Rentrop KP, 1166 Reves JG, I-209 Ribeiro JP, 314 Ricciardelli B, 883 Rich S, 1198 Richard VJ, 1805 Richards AM, 893 Rico DM, 438 Ricotta JJ, III-73 Ricou F, 267 Rifkind B, 735 Ring WS, III-111 Rivers EP, 361 Roach PJ, 65 Roberts R, 1148, IV-93 Roberts WC, 1747 Robertson T, 421 Robinson JA, III-106 Robinson MK, 348 Robinson VJB, 99 Rocco MB, 314 Roden DM, 994, 1247

Rodrigues DM, 816

Rokkas CK, I-97 Roman MJ, 915 Rongione AJ, 189 Roodman ST, III-174 Ropella KM, 112 Rose EA, III-84, III-122 Rose ML, 1428 Rosenberg JM, 361 Rosenfeldt FL, I-141 Rosenquist TH, 1469 Rosenqvist M, 1527 Rosiello G, 883 Rosner B, 1320 Ross J Jr. 267, 415, 983 Rossen JD, 1240 Rousou JA, III-36 Roy L, 1718 Rozanski JJ, 599 Rubin E, 1207 Ruche E, 341 Ruggeri ZM, 1920 Ruskin JN, 1925 Ruskoaho H, 390 Rutan GH, 261 Ruzevich SA, III-174

Sabharwal SC, 859, 1923 Sacks FM, 1320 Sadigursky M, 1269 Saffitz JE, 1775, I-275 Safi HJ, I-233 Sagawa K, 1783 Sahakian AV, 112 Sahn DJ, 1287 Saito H. 542 Saito Y, 1137 Saitoh H, 1421 Sakamoto S, 1010 Sakamoto T, I-222 Sako Y, 1190 Salerno T, I-77 Salerno TA, I-151 Sallman AL, 438 Salvetti A, 485 Sandercock P, 749 Sanders JS, 65 Sanders SP, I-203 Sanfilippo AJ, 589 Santos-Buch CA, 1269 Saran BR, 676 Sarembock IJ, 1029 Saridakis NS, III-167 Sarris GE, I-24, I-109, I-257 Sasayama S, 78 Sauer U, I-168 Scandinavian Study Group, the, 1549 Scanlon PJ, III-106 Schaapherder AFM, 165 Schönbeck M, I-162 Schüler S, III-133 Schaefer EJ, 724 Schaff HV, I-191 Schalekamp MADH, 903 Schechtman KB, 1148 Scheinman MM, 757, 1527 Schelbert HR, 863, 1328 Schiebler M, 1595 Schipperheyn JJ, I-1 Schlant RC, IV-88 Schloo B, 1198 Schloo BL, 1207 Schmid-Schoenbein GW, 1400 Schneider K. 1041

Schnittger I, 925

Schofer J, 1603 Schröder R. 853 Schroeder JS, III-100 Schuessler RB, I-97 Schuger CD, 324 Schuler G, 1610 Schuler JJ, III-54 Schulz R, 983 Schwarcz TH, III-54 Schwartz DJ, 1148 Schwarz F, 1610 Schwarzmeier JD, 1681 Sciacca R, III-122 Scott SM, 1176 Scudder LE, 1766 Seitz W, 625 Selwyn AP, 458 Semb B, III-192 Senning A, I-162 Sethi G, I-65, 1190 Severi S. 450 Seward JB, 504 Shabetai R, 1190 Shakudo M. 1521 Shannon RP, 658 Sharaf B, 636 Sharma AD, 1902 Sharma GVRK, 1176, 1190 Sharp DS, 1309 Shenasa M, I-124 Shepherd JT, 643 Sherman CT, 793 Sherman W, 1166 Shimokawa H, 1, 401, 643 Shindo T, 782 Shirakura R, I-243 Shixiang G, 1354 Short J, III-158 Shoulian F, 1354 Shumway NE, I-257, III-79 Siche JP, 341 Siebenmann R, I-162, 1041 Sievers RE, 969 Sigal SL, 1029 Sigley R, 1726 Sigmon K, 1222 Sigmon KN, 1159 Silberberg J, 1636 Silver MA, III-106 Silverman NA, III-30 Simonetti I, 1240 Singh A, 712, 1795 Singh NR, III-116 Sixma JJ, 935 Skelton TN, 1585 Skolnick AE, IV-151 Skorton DJ, 1095 Smallhorn JF, 1706 Smalling RW, III-158 Smith CR, III-84, III-122 Smith DL, I-109 Smith ER, 99, 178 Smith GT, 1328 Smith HC, 700 Smith SC Jr, 267 Smith LR, I-209, III-1 Smith SR, 1766 Smucker ML, 1757 Sniderman A, 1636 Sniderman AD, 719 Sobel BE, 491, 1775 Sokoloff MH, I-109 Solis E. III-152 Somes G, 1231

Sommer O. 1862 Sonnenblick EH, 306 Speizer FE, 1320 Spencer FC, I-249 Spodick DH, 419 Srebro JP, 625 St. Goar FG, 925 Stack RS, 245, 1585 Starnatelopoulos SF, III-167 Stampfer MJ, 1320 Starnes VA, III-79 Starr A, 525 Stavenow L, 1549

Steele PM, 840 Stefanou SA, III-167 Steg PG, 189 Stein B, 1501 Stein E, 735 Stein Y, 735 Steinberg D, 719, 1070 Steinbrecher U, 744

Steinman RT, 324 Stelzer P, III-209 Stephan Y, I-264 Stephens RJ, I-109 Stephenson LW, III-183 Stetz ML, 1893

Stevenson LW, 1675 Stevenson WG, 793, 1675 Stewart JR, III-25 Stiel GM, 1603

Stiel LSG, 1603 Stinson EB, I-257, III-79, III-100

Stolf NAG, I-177, III-202 Stolz RI, 1449 Stone CM, I-97 Strom J, 306 Strom JA, IV-151 Stulz P, 1041 Stump DC, 1222 Subayi J, III-19 Subramanyan R, 429 Sugrue DD, 564

Sullivan MJ, 769 Suma H. I-135 Sunamori M, I-222 Surawicz B, 1421 Sussman J, 1029 Sutton MF, III-59 Suzuki A, I-222 Svensson LG, I-233

Swain JL, 1495 Swartz MT, III-174 Swedberg SH, 1726 Sweeney M, I-91

Swiryn S, 112 Szczeklik A, 419 Szentpetery S, 218

Taddei S, 485 Taegtmeyer H, I-91 Tajik A J, 504 Takala TES, 390 Takami K, 542 Takao A, 615 Takemura G, 1137 Takeuchi A, I-135 Talajic M, 380 TAMI Study Group, the, 245 Tanaka H, I-222

Tanaka M, 1137 Tandon R, 335 Taneja V, 335 Taniguchi K, 1737 Taskinen T, 390 Tatineni S, I-16 Taylor P, 1128 Tchou P, 43, IV-31 Tector A. III-192 Teoh KH, I-8 Termuhlen DF, III-174 Terracall E, 1571 Teufelsbauer H, 1681 Thames MD, 218, 1293, 1878

Thompson LP, IV-178 Thomson D, III-116 Thornton B, III-126 Thornton D, 1222 Thornton JC, 1166 Timms I, 1029 Tobert JA, 744 Tobis JM, 873 Toninato CJ, III-192 Tonolo G, 893

Topol EJ, 245, 1159, 1222 Towrie A, 893

Tracy CM, 1259 Traven ND, 261 Treasure CB, 458 Trimarco B, 883 Troffa C, 893 Tronconi L, 1287 Tsai CC, III-174 Tsan M, 1795 Tsuiki K, 120 Tumiatic LC, III-14 Turina M, 1041 Turina MI, I-162 Tweddell JS, I-97

Tyberg JV, 99, 178 Tye TL, 925 Tyroler HA, 724 Uegaito T, 1137

Ungerleider RM, I-209

Unverferth DV, 573

Vaidya MC, 335 Valantine HA, III-100 Valdes-Cruz LM, 1287 van der Kraaij AMM, 158 van Eijk HG, 158 Van Hare G, 1527 van Mierop LHS, 1469 van Rijk-Zwikker GL, I-1 Vanhoutte PM, 1, 401, 643 Varma SK, 1757

Vatner SF, 658 Verani MS, 1277 Vered Z, 491 Vesely DL, 438 Veyssié L, III-19 Vinten-Johansen J, 1378 Virmani R, 1388 Vita JA, 458

Volpe M, 883 von Kreuter BF, 1269 von Planta M, 684 von Segesser L, I-162, 1041 Voyles WF, III-59 Vreim CE, 1198

Waagstein F, 551 Wackers FJ, 1277 Wagner S, 1837 Wahi PL, 299 Wahlers T, III-97

Vuolteenaho O, 390

Wais U. 51 Walden J, 1675 Waldo AL, 1557 Wallentin I, 551 Walsh EP, 1689 Walsh RA, IV-52 Wampler RK, III-158 Warnecke H, III-133 Wasserman K, 1084 Watabe S, 542 Wear KA, 491 Weber KT, 1207 Weber MA, IV-120 Wegscheider K, 853 Wei JY, IV-171

Weil MH, 684 Weinberg SL, 1925 Weinstein MC, 254 Weintraub MS, 1313 Weintraub WS, 276 Weisel RD, I-8, I-77, I-151, III-14

Weisman HF, 1816, 1846

Weiss JN, 793 Wellens HJJ, 1925 Wendland MF, 969 Werner W, 581 Wernovsky G, 1689, I-203 Wesley RC Jr, 128 Wesley RC, 1536 Wessel DL, 1689 Wessel HU, 106 Westhoff T, 1886 Westlin W, 1828 Wetterauer K, 1610 Weyman AE, 589

White CW, 1482 Whittaker P, 1115 Wickline SA, 491 Wiederhold V, III-100 Wiener I, 793 Wight TN, 1726 Wikman-Coffelt J, 1837 Wikstrom MG, 969

Willerson JT, 196 Willett WC, 1320 Williams AE, 17 Williams D, 421 Williams GW, 1198 Williams LW, 254 Willich SN, 853

Willis AL, I-109 Wilms-Schopman FJG, 165 Wilson JR, 1338, 1668 Wilson P, 724 Wilson RA, 525 Wilson RF, III-111 Winkelstein JA, 1816

Winkler JB, 1259 Winniford MD, 1240 Winters CJ, 438 Winters GL, III-106 Wise G, III-158 Witteman JCM, 1320 Wittes JT, 1747 Wittkampf FHM, 962 Wittlich N. 24 Witztum JL, 1101 Wladimiroff JW, 1711

Wolfe CL, 969 Wolfe WG, III-1 Wollschläger H, 466 Wong M, I-65 Wood AJJ, IV-184 Woodruff R, I-16

Woosley RL, 994, 1247 Wu ST, 1837 Wyse D G, 34

Yabe S, 542 Yacoub MH, 1128 Yagi S, 78 Yamaura Y, 1521 Yang Y, III-49 Yang Z, 1041 Yasuda T, 581 Yasue H, 1617 Yasui S, 120 Yasumoto H, 782 Yeatman LA, 793 Yee R, 1902 Yock PG, 625 Yokoi H, 782 Yoshida K, 1521 Yoshikawa J, 1521 Young JB, III-126 Young PM, 1148 Young S, 724 Young WG, III-1 Yunchang C, 1354 Yusuf S, 234, 739

Zacopoulos NA, III-167

Zadina K, 1190 Zbilut JP, 1498 Zeevi B, 831 Zeiher AM, 466 Zelis R, IV-14 Zhougfan L, 1354 Zhushen K, 1354 Ziegler MG, 669 Zilversmit DB, 719 Zipes DP, 1925 Ziskind AA, 581 Zucker MJ, III-106 Zwiebel JA, 1347

Subject Index

Volume 80, July-December 1989

A

Ablation

Catheter Ablation of the Atrioventricular Junction With Radiofrequency Energy, 1527

Acebuto

Hemodynamic and β-Adrenergic Receptor Adaptations During Long-term β-Adrenoceptor Blockade: Studies With Acebutolol, Atenolol, Pindolol, and Propranolol in Hypertensive Patients, 903

Acetylcholine

Endothelium-Derived Relaxing Factor and Protection Against Contractions Induced by Histamine and Serotonin in the Human Internal Mammary Artery and in the Saphenous Vein, 1041

Acid-base imbalance

Myocardial Acidosis Associated With CO₂ Production During Cardiac Arrest and Resuscitation, 684

Action potential duration

Action Potential Duration Alternans in Dog Purkinje and Ventricular Muscle Fibers: Further Evidence in Support of Two Different Mechanisms, 1421

Slow and Long-Lasting Modulation of Myocardial Repolarization Produced by Ectopic Activation in Isolated Rabbit Hearts: Evidence for Cardiac "Memory," 1412

Activation

Distribution of Extracellular Potassium and Electrophysiologic Changes During Two-Stage Coronary Ligation in the Isolated, Perfused Canine Heart, 165

Acute rejection

Arrhythmias After Orthotopic Cardiac Transplantation: Prevalence and Determinants During Initial Hospitalization and Late Follow-up, III-140

Adenosine

Atherosclerosis Impairs Flow-Mediated Dilation of Coronary Arteries in Humans, 458

Details of Coronary Stenosis Morphology Influence Its Hemodynamic Severity and Distal Flow Reserve, 636

Electrophysiologic Effects of Dipyridamole on Atrioventricular Nodal Conduction and Supraventricular Tachycardia: Role of Endogenous Adenosine, 1536

Increased Adenosine Concentration in Blood From Ischemic Myocardium by AICA Riboside: Effects on Flow, Granulocytes, and Injury, 1400

Intracoronary Adenosine Administered After Reperfusion Limits Vascular Injury After Prolonged Ischemia in the Canine Model, 1388

Role of Endogenous Adenosine in Postdefibrillation Bradyarrhythmia and Hemodynamic Depression, 128

Adenosine diphosphate

Endothelium-Dependent Relaxation in Response to Aggregating Platelets in Porcine Femoral Veins and Its Modulation by Diet, 401

02-Adrenergic receptors

α₂-Receptor-Mediated Vasoconstriction in Patients With Congestive Heart Failure, 1660

a-Adrenergic receptor agonists

Persistence of Sympathetic-Mediated Forearm Vasoconstriction After α-Blockade in Hypertensive Parients, 485

β-Adrenergic receptors

Hemodynamic and β-Adrenergic Receptor Adaptations During Long-term β-Adrenoceptor Blockade: Studies With Acebutolol, Atenolol, Pindolol, and Propranolol in Hypertensive Patients, 903

Impaired Chronotropic Response to Exercise in Patients With Congestive Heart Failure: Role of Postsynaptic β-Adrenergic Desensitization, 314

Increased Morning Incidence of Myocardial Infarction in the ISAM Study: Absence With Prior β -Adrenergic Blockade, 853

Regulation of Cardiac β -Adrenergic Receptors by Captopril: Implications for Congestive Heart Failure, 669

β-Adrenergic receptor blockers

Hemodynamic and β-Adrenergic Receptor Adaptations During Long-term β-Adrenoceptor Blockade: Studies With Acebutolol, Atenolol, Pindolol, and Propranolol in Hypertensive Patients, 903

Long-term β-Blockade in Dilated Cardiomyopathy: Effects of Short- and Long-term Metoprolol Treatment Followed by Withdrawal and Readministration of Metoprolol, 551

Theoretical Considerations in the Use of Calcium Entry Blockers in Silent Myocardial Ischemia, IV-74

Afferent

Reflex Responses to Myocardial Ischemia and Reperfusion: Role of Prostaglandins, 1878

Ventricular Sensory Endings Mediate Reflex Bradycardia During Coronary Arteriography in Humans, 1293

Afterdepolarizations

Role of Calcium in Arrhythmogenesis, IV-23

Age

The Older Cardiac Transplant Donor: Relation to Graft Function and Recipient Survival Longer Than 6 Years, III-126 Use of Calcium Entry Blockers in Elderly Patients: Special

Use of Calcium Entry Blockers in Elderly Patients: Special Considerations, IV-171

Aggregating platelets

Endothelium-Derived Relaxing Factor and Coronary Vasospasm, 1

AICA riboside

Increased Adenosine Concentration in Blood From Ischemic Myocardium by AICA Riboside: Effects on Flow, Granulocytes, and Injury, 1400

Albumin-gadolinium-DTPA

Assessment of Myocardial Salvage After Ischemia and Reperfusion Using Magnetic Resonance Imaging and Spectroscopy, 969

Alcohol

Dietary Alcohol, Calcium, and Potassium: Independent and Combined Effects on Blood Pressure, 609

Aldosterone

Edema of Cardiac Origin: Studies of Body Water and Sodium, Renal Function, Hemodynamic Indexes, and Plasma Hormones in Untreated Congestive Cardiac Failure, 299

Hemodynamic and β-Adrenergic Receptor Adaptations During Long-term β-Adrenoceptor Blockade: Studies With Acebutolol, Atenolol, Pindolol, and Propranolol in Hypertensive Patients, 903

Alkylxanthine

Role of Endogenous Adenosine in Postdefibrillation Bradyarrhythmia and Hemodynamic Depression, 128

Anaerobics

Detecting Abnormalities in Left Ventricular Function During Exercise by Respiratory Measurement, 1737

Aneurvsms

Natural History of Aortoarteritis (Takayasu's Disease), 429 Surgery for Aortic Arch Aneurysm With Selective Cerebral Perfusion and Hypothermic Cardiopulmonary Bypass, I-243 Ten-Year Operative Experience With 165 Aneurysms of the Ascending Aorta and Aortic Arch, I-249 Angina

Calcium Antagonists in the Treatment of Prinzmetal's Angina and Unstable Angina Pectoris, IV-78

Circadian Variation of Plasma Fibrinopeptide A Level in Patients With Variant Angina, 1617

Detection of Diseased Coronary Artery by Exercise ST-T Maps in Patients With Effort Angina Pectoris, Single-Vessel Disease, and Normal ST-T Wave on Electrocardiogram at Rest, 120

Four-Year Follow-up Study in Patients With Angina Pectoris and Normal Coronary Arteriograms ("Syndrome X"), 1610 Intracoronary Thrombus and Complex Morphology in Unstable Angina: Relation to Timing of Angiography and In-Hospital Cardiac Events, 17

Medical Compared With Surgical Management of Unstable Angina: 5-Year Mortality and Morbidity in the Veterans

Administration Study, 1176

Prevalence and Clinical Significance of Silent Myocardial

Ischemia, IV-68

Response of Blood Pressure, Cardiac Output, Peripheral Resistance, and Exercise Performance to Substitution of Calcium Blocker for B-Blocker Plus Thiazide Diuretic Therapy in Patients With Both Systemic Hypertension and Mild Stable Angina, IV-162

Selective Enhancement of the Cardiac Sympathetic Response to Exercise by Anginal Chest Pain in Humans, 1642

Angiocardiography

Assessment of Left Ventricular Functional Preservation During Isolated Cardiac Valve Operations, III-1

Angiography

Exercise-Induced ST Depression in the Diagnosis of Coronary Artery Disease: A Meta-Analysis, 87

Impact of Compensatory Enlargement of Atherosclerotic Coronary Arteries on Angiographic Assessment of Coronary Artery Disease, 1603

Serial Angiographic Assessment of Coronary Artery Obstruction and Collateral Flow in Acute Myocardial Infarction: Report From the Second Mount Sinai-New York University Reperfusion Trial, 1166

Exercise Treadmill Testing Is a Poor Predictor of Anatomic Restenosis After Angioplasty for Acute Myocardial Infarc-

Influence of Inflation Pressure and Balloon Size on the Development of Intimal Hyperplasia After Balloon Angioplasty: A Study in the Atherosclerotic Rabbit, 1029

Recurrent Ischemia Without Warning: Analysis of Risk Factors for In-Hospital Ischemic Events Following Successful Thrombolysis With Intravenous Tissue Plasminogen Activator, 1159

The Diastolic Hyperemic Flow Versus Pressure Relation: A New Index of Coronary Stenosis Severity and Flow Reserve, 941

Angioplasty, laser

Biochemical Basis for the Difference Between Normal and Atherosclerotic Arterial Fluorescence, 1893

Angioplasty, transluminal

Recurrent Ischemia More Than 1 Year After Successful Percutaneous Transluminal Coronary Angioplasty: An Analysis of the Extent and Anatomic Pattern of Coronary Disease, 1580

Angiotensin converting enzymes

Calcium Channel Blockers: Progression of Renal Disease, IV-47

Antiarrhythmias

Time-Dependent Risk of and Predictors for Cardiac Arrest Recurrence in Survivors of Out-of-Hospital Cardiac Arrest With Chronic Coronary Artery Disease, 599

Antiarrhythmia agents

Antiarrhythmic Efficacy, Clinical Electrophysiology, and Pharmacokinetics of 3-Methoxy-O-Desmethyl Encainide (MODE) in Patients With Inducible Ventricular Tachycardia or Fibrillation, 1247

Frequency-Dependent Effects of Diltiazem on the Atrioventricular Node During Experimental Atrial Fibrillation, 380

Antibodies

Association of Elevated Anti-Sarcolemma, Anti-Idiotype Antibody Levels With the Clinical and Pathologic Expression of Chronic Chagas Myocarditis, 1269

HLA-DR/DQ Antigens and Reactivity to B Cell Alloantigen D8/17 in Indian Patients With Rheumatic Heart Disease, 335

Anticardiolipin antibody

Lupus-like Anticoagulants and Lower Extremity Arterial Occlusive Disease, III-54

Antigens

HLA-DR/DQ Antigens and Reactivity to B Cell Alloantigen D8/17 in Indian Patients With Rheumatic Heart Disease, 335

Myocardial Free-Radical Injury After Cardioplegia, III-14 Myocardial Glutathione Depletion Impairs Recovery After Short Periods of Ischemia, 1449

Antiplatelet therapy

Saphenous Vein Graft Patency 1 Year After Coronary Artery Bypass Surgery and Effects of Antiplatelet Therapy: Results of a Veterans Administration Cooperative Study, 1190

Antitachycardia devices

The Coherence Spectrum: A Quantitative Discriminator of Fibrillatory and Nonfibrillatory Cardiac Rhythms, 112

Antithymocyte globulin

Prophylactic OKT3 Used as Induction Therapy for Heart Transplantation, III-79

Aortic Stenosis in Elderly Patients Aged 80 or Older: Treatment by Percutaneous Balloon Valvuloplasty in a Series of 92 Cases, 1514

Solitary Aortic Arch Artery: A Result of Surgical Ablation of Cardiac Neural Crest and Nodose Placode in the Avian Embryo, 1469

Stiffness of Systemic Arteries in Patients With Myocardial Infarction: A Noninvasive Method to Predict Severity of Coronary Atherosclerosis, 78

Surgery for Aortic Arch Aneurysm With Selective Cerebral Perfusion and Hypothermic Cardiopulmonary Bypass, I-243

Ambulatory Follow-up of Aortic Dissection by Transesophageal Two-Dimensional and Color-Coded Doppler Echocar-

Surgical Management of Acute Aortic Dissection Complicated

Use of Surgical Glue Without Replacement in the Treatment of Type A Aortic Dissection, I-264

Aortic regurgitation

Surgical Consideration of Aortitis Involving the Aortic Root, I-222

Aortic root abscess

Surgical Treatment of Aortic Root Abscess, I-269

Aortic valve

Aortic Root Replacement With Pulmonary Autograft, III-209

Aortocoronary bypass

Determinants of Prolonged Length of Hospital Stay After Coronary Bypass Surgery, 276

Efficacy of Metabolic Support With Glucose-Insulin-Potassium for Left Ventricular Pump Failure After Aortocoronary Bypass Surgery, I-91

Applanation tonometry

Noninvasive Determination of Age-Related Changes in the Human Arterial Pulse, 1652

Arrhythmias

Arrhythmias After Orthotopic Cardiac Transplantation: Prevalence and Determinants During Initial Hospitalization and Late Follow-up, III-140

Asymptomatic Wolff-Parkinson-White: Should We Intervene?

1902 Cell Calcium in the Pathophysiology of Ventricular Fibrillation and in the Pathogenesis of Postarrhythmic Contractile Dysfunction, 369

Control of Radiofrequency Lesion Size by Power Regulation, 962

Diverse Mechanisms of Unexpected Cardiac Arrest in Advanced Heart Failure, 1675

Effects of Antihypertensive Therapy on Hypertensive Heart Disease, IV-145

Exercise Training After Experimental Myocardial Infarction Increases the Ventricular Fibrillation Threshold Before and After the Onset of Reinfarction in the Isolated Rat Heart,

Potential Mapping in Septal Tachycardia: Evaluation of a New

Intraoperative Mapping Technique, I-97

Prevention of Symptomatic Recurrences of Paroxysmal Atrial Fibrillation in Patients Initially Tolerating Antiarrhythmic Therapy: A Multicenter, Double-Blind, Crossover Study of Flecainide and Placebo With Transtelephonic Monitoring,

Reversal of Proarrhythmic Effects of Flecainide Acetate and Encainide Hydrochloride by Propranolol, 1571

Singlet Oxygen-Induced Arrhythmias: Dose- and Light-Response Studies for Photoactivation of Rose Bengal in the Rat Heart, 1432

The Coherence Spectrum: A Quantitative Discriminator of Fibrillatory and Nonfibrillatory Cardiac Rhythms, 112

The Excitable Gap in Atrioventricular Nodal Reentrant Tachycardia: Characterization With Ventricular Extrastimuli and Pharmacologic Intervention, 324

Use of Calcium Channel Entry Blockers in the Treatment of Cardiac Arrhythmias, IV-31

Arterial occlusive diseases

Conservative Drug Treatment in Patients With Moderately Severe Chronic Occlusive Peripheral Arterial Disease, 1549

Rapid, Two-Stage Arterial Switch for Transposition of the Great Arteries and Intact Ventricular Septum Beyond the Neonatal Period, I-203

Results of the Arterial Switch Operation for Transposition of the Great Arteries With Ventricular Septal Defect: Surgical Considerations and Midterm Follow-up Data, 1689

Atherosclerosis Impairs Flow-Mediated Dilation of Coronary Arteries in Humans, 458

Serial Angiographic Assessment of Coronary Artery Obstruction and Collateral Flow in Acute Myocardial Infarction: Report From the Second Mount Sinai-New York University Reperfusion Trial, 1166

Solitary Aortic Arch Artery: A Result of Surgical Ablation of Cardiac Neural Crest and Nodose Placode in the Avian

Embryo, 1469

Stiffness of Systemic Arteries in Patients With Myocardial Infarction: A Noninvasive Method to Predict Severity of Coronary Atherosclerosis, 78

Arteriosclerosis

Impact of Compensatory Enlargement of Atherosclerotic Coronary Arteries on Angiographic Assessment of Coronary Artery Disease, 1603

Noninvasive Determination of Age-Related Changes in the Human Arterial Pulse, 1652

Arteriovenous fistula

Intimal Fibromuscular Hyperplasia at the Venous Anastomosis of PTFE Grafts in Hemodialysis Patients: Clinical, Immunocytochemical, Light and Electron Microscopic Assessment, 1726

Artificial heart

Hemodynamic Characteristics of the Jarvik-7 Total Artificial Heart, III-152

Results of the First 100 Patients Who Received Symbion Total Artificial Hearts as a Bridge to Cardiac Transplantation,

Successful Biventricular Circulatory Support as a Bridge to Cardiac Transplantation During Prolonged Ventricular Fibrillation and Asystole, III-147

Artificial valves

Influence of Mitral Valve Prosthesis or Rigid Mitral Ring on Left Ventricular Pump Function: A Study on Exposed and Isolated Blood-Perfused Porcine Hearts, I-1

Avoidance of Embolic Complications by Ultrasonic Characterization of the Ascending Aorta, I-275

Saphenous Vein Graft Patency 1 Year After Coronary Artery Bypass Surgery and Effects of Antiplatelet Therapy: Results of a Veterans Administration Cooperative Study, 1190

Usefulness of Calcium Entry Blockers During and After Percutaneous Transluminal Coronary Artery Angioplasty,

Atenolol

Hemodynamic and \(\beta\)-Adrenergic Receptor Adaptations During Long-term β-Adrenoceptor Blockade: Studies With Acebutolol, Atenolol, Pindolol, and Propranolol in Hypertensive Patients, 903

Atherosclerosis

Atherosclerosis Impairs Flow-Mediated Dilation of Coronary Arteries in Humans, 458

Avoidance of Embolic Complications by Ultrasonic Characterization of the Ascending Aorta, I-275

Endothelium-Derived Relaxing Factor and Coronary Vasospasm, 1

HMG CoA Reductase Inhibitors Lower LDL Cholesterol Without Reducing Lp(a) Levels, 1313

Influence of Inflation Pressure and Balloon Size on the Development of Intimal Hyperplasia After Balloon Angioplasty: A Study in the Atherosclerotic Rabbit, 1029

Intravascular Ultrasound Cross-Sectional Arterial Imaging Before and After Balloon Angioplasty In Vitro, 873

Prevalence of Accelerated Coronary Artery Disease in Heart Transplant Survivors: Comparison of Cyclosporine and Azathioprine Regimens, III-100

Prognostic Importance of Dipyridamole-Echocardiography Test in Coronary Artery Disease, 450

Randomized Placebo-Controlled, Double-Blind Trial of Ketanserin in Claudicants: Changes in Claudication Distance and Ankle Systolic Pressure, 1544

Stiffness of Systemic Arteries in Patients With Myocardial Infarction: A Noninvasive Method to Predict Severity of Coronary Atherosclerosis, 78

Atrioventricular block

Chronic Incomplete Atrioventricular Block Induced by Radiofrequency Catheter Ablation, 951

Atrioventricular node

Catheter Ablation of the Atrioventricular Junction With Radiofrequency Energy, 1527

Electrophysiologic Effects of Dipyridamole on Atrioventricular Nodal Conduction and Supraventricular Tachycardia: Role of Endogenous Adenosine, 1536

Electrophysiologic Spectrum of Concealed Intranodal Conduction During Atrial Rate Acceleration in a Model of 2:1 Atrioventricular Block, 43

Frequency-Dependent Effects of Diltiazem on the Atrioventricular Node During Experimental Atrial Fibrillation, 380

Percutaneous Catheter Modification of the Atrioventricular Node: A Potential Cure for Atrioventricular Nodal Reentrant Tachycardia, 757

The Excitable Gap in Atrioventricular Nodal Reentrant Tachycardia: Characterization With Ventricular Extrastimuli and Pharmacologic Intervention, 324

Use of Calcium Channel Entry Blockers in the Treatment of Cardiac Arrhythmias, IV-31

Avidin-biotin peroxidase complex

HLA-DR/DQ Antigens and Reactivity to B Cell Alloantigen D8/17 in Indian Patients With Rheumatic Heart Disease, 335

Balloons

Aortic Stenosis in Elderly Patients Aged 80 or Older: Treatment by Percutaneous Balloon Valvuloplasty in a Series of 92 Cases, 1514

R

Influence of Inflation Pressure and Balloon Size on the Development of Intimal Hyperplasia After Balloon Angioplasty: A Study in the Atherosclerotic Rabbit, 1029

Influence of Mitral Valve Morphology on Double-Balloon Catheter Balloon Valvuloplasty in Patients With Mitral Stenosis: Analysis of Factors Predicting Immediate and 3-Month Results, 515

Intravascular Ultrasound Cross-Sectional Arterial Imaging Before and After Balloon Angioplasty In Vitro, 873

Neonatal Critical Valvar Aortic Stenosis: A Comparison of Surgical and Balloon Dilation Therapy, 831

Behcet's disease

Surgical Consideration of Aortitis Involving the Aortic Root, I-222

Bentall procedure

Aortic Root Replacement With Pulmonary Autograft, III-209

Björk-Shiley valve

Influence of Mitral Valve Prosthesis or Rigid Mitral Ring on Left Ventricular Pump Function: A Study on Exposed and Isolated Blood-Perfused Porcine Hearts, I-1

Blood cell

Peripheral Vascular Disease: Rheologic Variables During Controlled Ischemia, 348

Blood coagulation

Correlation Between Template Bleeding Times and Spontaneous Bleeding During Treatment of Acute Myocardial Infarction With Recombinant Tissue-Type Plasminogen Activator, 581

Blood flow

Effects of Calcium Entry Blockade on Myocardial Blood Flow, IV-40

Effects of Cardiopulmonary Bypass on Cerebral Blood Flow in Neonates, Infants, and Children, I-209

Effects of Exercise Training on Common Femoral Artery Blood Flow in Patients With Intermittent Claudication, III-59

¹³N Ammonia Myocardial Imaging at Rest and With Exercise in Normal Volunteers: Quantification of Absolute Myocardial Perfusion With Dynamic Positron Emission Tomography, 1328

Relation Between Central and Peripheral Hemodynamics During Exercise in Patients With Chronic Heart Failure: Muscle Blood Flow Is Reduced With Maintenance of Arterial Perfusion Pressure, 769

Blood flow, coronary reserve

The Diastolic Hyperemic Flow Versus Pressure Relation: A New Index of Coronary Stenosis Severity and Flow Reserve, 941

Blood flow, peripheral

Induction of Vasospastic Attacks Despite Digital Nerve Block in Raynaud's Disease and Phenomenon, 859

Blood flow, vascular reserve

The Diastolic Hyperemic Flow Versus Pressure Relation: A New Index of Coronary Stenosis Severity and Flow Reserve, 941

Blood pressure

Dietary Alcohol, Calcium, and Potassium: Independent and Combined Effects on Blood Pressure, 609

Low-Dose Infusion of Atrial Natriuretic Factor in Mild Essential Hypertension, 893

Randomized Placebo-Controlled, Double-Blind Trial of Ketanserin in Claudicants: Changes in Claudication Distance and Ankle Systolic Pressure, 1544

Blood pressure determination

Twenty-Four-Hour Ambulatory Blood Pressure in Shift Workers, 341

Body fluid volumes

Hemodynamic and β-Adrenergic Receptor Adaptations During Long-term β-Adrenoceptor Blockade: Studies With Acebutolol, Atenolol, Pindolol, and Propranolol in Hypertensive Patients, 903

Body surface mapping

Detection of Diseased Coronary Artery by Exercise ST-T Maps in Patients With Effort Angina Pectoris, Single-Vessel Disease, and Normal ST-T Wave on Electrocardiogram at Rest. 120

Diagnostic Value of QRST Isointegral Maps in Detecting Myocardial Infarction Complicated by Bundle Branch Block 542

Bradyarrhythmia

Role of Endogenous Adenosine in Postdefibrillation Bradyarrhythmia and Hemodynamic Depression, 128

Bradvcardia

Mechanisms of Improved Ischemic Regional Dysfunction by Bradycardia: Studies on UL-FS 49 in Swine, 983

Bradykini

Endothelium-Derived Relaxing Factor and Protection Against Contractions Induced by Histamine and Serotonin in the Human Internal Mammary Artery and in the Saphenous Vein, 1041

Brain-sparing effect

Fetal Cardiac and Peripheral Arterial Flow Velocity Waveforms in Intrauterine Growth Retardation, 1711

Bretvliu

Persistence of Sympathetic-Mediated Forearm Vasoconstriction After α-Blockade in Hypertensive Patients, 485

Bridge to heart transplantation

Hemodynamic Characteristics of the Jarvik-7 Total Artificial Heart, III-152

Intraventricular Plus Intra-aortic Balloon Pumping During Intractable Cardiac Arrest, III-167

Bundle branch block

Four-Year Follow-up Study in Patients With Angina Pectoris and Normal Coronary Arteriograms ("Syndrome X"), 1610

C

Cadmium telluride

Detecting Abnormalities in Left Ventricular Function During Exercise by Respiratory Measurement, 1737

Calciun

A Prospective Study of Nutritional Factors and Hypertension Among US Women, 1320

Cell Calcium in the Pathophysiology of Ventricular Fibrillation and in the Pathogenesis of Postarrhythmic Contractile Dysfunction, 369

Dietary Alcohol, Calcium, and Potassium: Independent and Combined Effects on Blood Pressure, 609

Calcium antagonists

Calcium Antagonists: Pharmacologic Differences and Similarities, IV-184

Mechanisms of Action and Clinical Use of Calcium Antagonists in Hypertension, IV-136

Reactivity of Human Isolated Internal Mammary Artery to Constrictor and Dilator Agents: Implications for Treatment of Internal Mammary Artery Spasm, I-141

The Effects of Calcium Entry Blockade on Normal and Ischemic Ventricular Diastolic Function, IV-52

Thrombolysis and Its Sequelae: Calcium Antagonists as

Potential Adjunctive Therapy, IV-93

Verapamil Preserves Myocardial Performance and Energy Metabolism in Left Ventricular Hypertrophy Following Ischemia and Reperfusion: Phosphorus 31 Magnetic Resonance Spectroscopy Study, 1837

Calcium channel

Pharmacology of TA-3090 (8-Chloro Diltiazem) Related to Its Cerebrovascular Protective Properties, IV-178

Recent Insights Into the Calcium Channels, IV-14

Role of Calcium on Excitation-Contraction Coupling in Cardiac and Vascular Smooth Muscle, IV-1

Calcium channel antagonists

Pharmacology of TA-3090 (8-Chloro Diltiazem) Related to Its Cerebrovascular Protective Properties, IV-178

1959

Humans, 1240

Calcium channel blockers

Calcium Antagonists in the Treatment of Prinzmetal's Angina and Unstable Angina Pectoris, IV-78

Current Status of Calcium Channel-Blocking Drugs After Q Wave and Non-Q Wave Myocardial Infarction, IV-107

Effects of Calcium Entry Blockade on Hypertension-Induced Left Ventricular Hypertrophy, IV-151

Metabolic Protection by Verapamil During Graded Coronary Flow Reduction Independent of Effect on Baseline Systolic Function: Separation of Mechanical and Ionic Markers of Ischemia, 1870

Nifedipine Potentiates Cardiopulmonary Baroreflex Control of Sympathetic Nerve Activity in Healthy Humans: Direct Evidence From Microneurographic Studies, 285

Pathophysiological Mechanisms Underlying the Adverse Effects of Calcium Channel Blocking Drugs in Patients With Chronic Heart Failure, IV-59

Role of Calcium in Arrhythmogenesis, IV-23

Use of Calcium Entry Blockers in Elderly Patients: Special Considerations, IV-171

Calcium entry blockers

Theoretical Considerations in the Use of Calcium Entry Blockers in Silent Myocardial Ischemia, IV-74

Usefulness of Calcium Entry Blockers During and After Percutaneous Transluminal Coronary Artery Angioplasty, IV-88

Calcium, intracellular

Action Potential Duration Alternans in Dog Purkinje and Ventricular Muscle Fibers: Further Evidence in Support of Two Different Mechanisms, 1421

Calcium and Its Role in Myocardial Cell Injury During Ischemia and Reperfusion, IV-17

Recent Insights Into the Calcium Channels, IV-14

Captopril

Captopril Restores Hemodynamic Responsiveness to Atrial Natriuretic Peptide in Rats With Heart Failure, 1886

Regulation of Cardiac β-Adrenergic Receptors by Captopril: Implications for Congestive Heart Failure, 669

Cardiac output

Response of Blood Pressure, Cardiac Output, Peripheral Resistance, and Exercise Performance to Substitution of Calcium Blocker for β -Blocker Plus Thiazide Diuretic Therapy in Patients With Both Systemic Hypertension and Mild Stable Angina, IV-162

Cardiac allograft

Prevalence of Accelerated Coronary Artery Disease in Heart Transplant Survivors: Comparison of Cyclosporine and Azathioprine Regimens, III-100

Cardiac arrest

Myocardial Acidosis Associated With CO₂ Production During Cardiac Arrest and Resuscitation, 684

Time-Dependent Risk of and Predictors for Cardiac Arrest Recurrence in Survivors of Out-of-Hospital Cardiac Arrest With Chronic Coronary Artery Disease, 599

Cardiac assist

Functional Right-Heart Replacement With Skeletal Muscle Ventricles, III-183

Stimulated Preconditioned Skeletal Muscle Cardiomyoplasty: An Effective Means of Cardiac Assist, III-202

Cardiac assist devices

Results of the First 100 Patients Who Received Symbion Total Artificial Hearts as a Bridge to Cardiac Transplantation, III-192

Cardiac defects, congenital

Coarctation of the Aorta: Long-term Follow-up and Prediction of Outcome After Surgical Correction, 840

Coronary Arteries in the Hypoplastic Left Heart Syndrome: Histopathologic and Histometrical Studies and Implications for Surgery, I-168

Effects of Cardiopulmonary Bypass on Cerebral Blood Flow in Neonates, Infants, and Children, I-209 Exercise Response Before and After Termination of Atrial Tachycardia After Congenital Heart Disease Surgery, 106 Late Functional Deterioration After Atrial Correction for

Transposition of the Great Arteries, I-162

Neonatal Critical Valvar Aortic Stenosis: A Comparison of Surgical and Balloon Dilation Therapy, 831

Cardiac events

Intracoronary Thrombus and Complex Morphology in Unstable Angina: Relation to Timing of Angiography and In-Hospital Cardiac Events, 17

Cardiac failure

Stimulated Preconditioned Skeletal Muscle Cardiomyoplasty: An Effective Means of Cardiac Assist, III-202

Cardiac function

Cardiac Allograft Ischemic Time: Relation to Graft Survival and Cardiac Function, III-116

Cell Calcium in the Pathophysiology of Ventricular Fibrillation and in the Pathogenesis of Postarrhythmic Contractile Dysfunction, 369

Cardiac memory

Slow and Long-Lasting Modulation of Myocardial Repolarization Produced by Ectopic Activation in Isolated Rabbit Hearts: Evidence for Cardiac "Memory," 1412

Cardiac neural crest

Solitary Aortic Arch Artery: A Result of Surgical Ablation of Cardiac Neural Crest and Nodose Placode in the Avian Embryo, 1469

Cardiac output

Hemodynamic and β-Adrenergic Receptor Adaptations During Long-term β-Adrenoceptor Blockade: Studies With Acebutolol, Atenolol, Pindolol, and Propranolol in Hypertensive Patients, 903

Low-Dose Infusion of Atrial Natriuretic Factor in Mild Essential Hypertension, 893

Regional Myocardial Oxygen Consumption Determined Noninvasively in Humans With [1-11C]Acetate and Dynamic Positron Tomography, 863

Cardiac pump function

Influence of Mitral Valve Prosthesis or Rigid Mitral Ring on Left Ventricular Pump Function: A Study on Exposed and Isolated Blood-Perfused Porcine Hearts, I-1

Cardiogenic shock

Effect of the Hemopump Left Ventricular Assist Device on Regional Myocardial Perfusion and Function: Reduction of Ischemia During Coronary Occlusion, III-158

Cardiomyopathies

Determinants of Survival in Endomyocardial Fibrosis, I-177 Epidemiology of Idiopathic Dilated and Hypertrophic Cardioτ myopathy: A Population-Based Study in Olmsted County, Minnesota, 1975–1984, 564

Long-term β-Blockade in Dilated Cardiomyopathy: Effects of Short- and Long-term Metoprolol Treatment Followed by Withdrawal and Readministration of Metoprolol, 551

Septal Myotomy-Myomectomy Versus Mitral Valve Replacement in Hypertrophic Cardiomyopathy: Ten-Year Follow-up in 185 Patients, I-57

Ultrasonic Tissue Characterization of Human Hypertre hied Hearts In Vivo With Cardiac Cycle-Dependent Variation in Integrated Backscatter, 925

Cardioplegia

Amelioration of Postischemic Stunning by Deferoxamine-Blood Cardioplegia, III-30 Myocardial Free-Radical Injury After Cardioplegia, III-14

Cardiopulmonary bypass

Effects of Cardiopulmonary Bypass on Cerebral Blood Flow in Neonates, Infants, and Children, I-209

Cardiopulmonary resuscitation

Dispatcher-Assisted Cardiopulmonary Resuscitation: Validation of Efficacy, 1231

Simultaneous Aortic, Jugular Bulb, and Right Atrial Pressures
During Cardiopulmonary Resuscitation in Humans: Insights
Into Mechanisms, 361

Cardiovascular disease Antihypertensive Treatment: Considerations Beyond Blood

Pressure Control, IV-120

Marked Decline of Coronary Heart Disease Mortality in 35-44-Year-Old White Men in Allegheny County, Pennsyl-

Use of Calcium Entry Blockers in Elderly Patients: Special Considerations, IV-171

Carotid arteries

Reexploration for Thrombosis in Carotid Endarterectomy, III-73

Stiffness of Systemic Arteries in Patients With Myocardial Infarction: A Noninvasive Method to Predict Severity of Coronary Atherosclerosis, 78

Carotid arteriosclerosis

Carotid Arteriosclerosis in Identical Twins Discordant for Cigarette Smoking, 10

Catecholamines

Hemodynamic and β -Adrenergic Receptor Adaptations During Long-term β -Adrenoceptor Blockade: Studies With Acebutolol, Atenolol, Pindolol, and Propranolol in Hypertensive Patients, 903

Sympathoadrenal Inhibition by Atrial Natriuretic Peptide Is Not Attenuated During Development of Congestive Heart Failure in Dogs, 1862

Catheterization

Assessment of Severity of Coronary Stenoses Using a Doppler Catheter: Validation of a Method Based on the Continuity Equation, 625

Continuous Wave Doppler Echocardiographic Measurement of Prosthetic Valve Gradients: A Simultaneous Doppler-Catheter Correlative Study, 504

Left Ventricular Volume Measurement by Conductance Catheter in Intact Dogs: Parallel Conductance Volume Depends on Left Ventricular Size, 1360 Percutaneous Catheter Modification of the Atrioventricular

Node: A Potential Cure for Atrioventricular Nodal Reentrant Tachycardia, 757

The Effect of Diltiazem on Coronary Flow Reserve in Humans, 1240

Catheter ablation

Chronic Incomplete Atrioventricular Block Induced by Radiofrequency Catheter Ablation, 951

Control of Radiofrequency Lesion Size by Power Regulation,

Programmed Electrical Stimulation at Potential Ventricular Reentry Circuit Sites: Comparison of Observations in Humans With Predictions From Computer Simulations, 793

Two-Dimensional and Doppler-Echocardiographic and Cardiac Catheterization Correlates of Survival in Primary Pulmonary Hypertension, 353

Magnesium Content of Serum, Circulating Mononuclear Cells, Skeletal Muscle, and Myocardium in Congestive Heart

Cerebrovascular

Pharmacology of TA-3090 (8-Chloro Diltiazem) Related to Its Cerebrovascular Protective Properties, IV-178

Surgical Management of Acute Aortic Dissection Complicated by Stroke, I-257

Chagas disease

Association of Elevated Anti-Sarcolemma, Anti-Idiotype Antibody Levels With the Clinical and Pathologic Expression of Chronic Chagas Myocarditis, 1269

Cholesterol

Current Approaches to Drug Therapy for the Hypercholesterolemic Patient, 1101

Relative Impact of Targeted Versus Populationwide Cholesterol Interventions on the Incidence of Coronary Heart Disease: Projections of the Coronary Heart Disease Policy Model, 254

Chordae tendineae

Global and Regional Left Ventricular Systolic Performance in the in Situ Ejecting Canine Heart: Importance of the Mitral Apparatus, I-24

Chronic rejection

Prevalence of Accelerated Coronary Artery Disease in Heart Transplant Survivors: Comparison of Cyclosporine and Azathioprine Regimens, III-100

Cigarette smoking

Carotid Arteriosclerosis in Identical Twins Discordant for Cigarette Smoking, 10

Circadian rhythm

Circadian Variation of Plasma Fibrinopeptide A Level in Patients With Variant Angina, 1617

Differing Circadian Patterns of Symptom Onset in Subgroups of Patients With Acute Myocardial Infarction, 267

Increased Morning Incidence of Myocardial Infarction in the ISAM Study: Absence With Prior β-Adrenergic Blockade, 853

Conservative Drug Treatment in Patients With Moderately Severe Chronic Occlusive Peripneral Arterial Disease, 1549

Effects of Exercise Training on Common Femoral Artery Blood Flow in Patients With Intermittent Claudication,

Clinical trials

Antihypertensive Treatment: Considerations Beyond Blood Pressure Control, IV-120

Conservative Drug Treatment in Patients With Moderately Severe Chronic Occlusive Peripheral Arterial Disease, 1549

Prevention of Symptomatic Recurrences of Paroxysmal Atrial Fibrillation in Patients Initially Tolerating Antiarrhythmic Therapy: A Multicenter, Double-Blind, Crossover Study of Flecainide and Placebo With Transtelephonic Monitoring,

Randomized Placebo-Controlled, Double-Blind Trial of Ketanserin in Claudicants: Changes in Claudication Distance

and Ankle Systolic Pressure, 1544

Relative Impact of Targeted Versus Populationwide Cholesterol Interventions on the Incidence of Coronary Heart Disease: Projections of the Coronary Heart Disease Policy Model, 254

Risk Stratification of Patients With Non-Q Wave Myocardial Infarction: The Critical Role of ST Segment Depression,

Treatment of Acute Venous Thromboembolism With Low Molecular Weight Heparin (Fragmin): Results of a Double-Blind Randomized Study, 935

Coagulation monitoring

Pharmacodynamics of Thrombolysis With Recombinant Tissue-Type Plasminogen Activator: Correlation With Characteristics of and Clinical Outcomes in Patients With Acute Myocardial Infarction, 1222

Coarctation of the aorta

Coarctation of the Aorta: Long-term Follow-up and Prediction of Outcome After Surgical Correction, 840

Cod-liver oil

Endothelium-Dependent Relaxation in Response to Aggregating Platelets in Porcine Femoral Veins and Its Modulation by Diet, 401

Collagen

Biochemical Basis for the Difference Between Normal and Atherosclerotic Arterial Fluorescence, 1893

Indications, Complications, and Short-term Clinical Outcome of Percutaneous Transvenous Mitral Commissurotomy, 782

Complex coronary morphology

Intracoronary Thrombus and Complex Morphology in Unstable Angina: Relation to Timing of Angiography and In-Hospital Cardiac Events, 17

Computer

Three-Dimensional Echocardiographic Reconstruction of the Mitral Valve, With Implications for the Diagnosis of Mitral Valve Prolapse, 589

Surgical Treatment of Ventricular Tachycardia: Regional Cryoablation Guided by Computerized Epicardial and Endocardial Mapping, I-124

Conduction

Chronic Incomplete Atrioventricular Block Induced by Radiofrequency Catheter Ablation, 951

Electrophysiologic Spectrum of Concealed Intranodal Conduction During Atrial Rate Acceleration in a Model of 2:1 Atrioventricular Block, 43

Conduction slowing

Acute Electrophysiologic Effects of Sodium Administration in Dogs Treated With O-Desmethyl Encainide, 994

Congenital cardiac surgery

Echocardiography and Color-Flow Mapping Evaluation of a New Reconstructive Surgical Technique for Ebstein's Anomaly, I-197

Continuity equation

Assessment of Severity of Coronary Stenoses Using a Doppler Catheter: Validation of a Method Based on the Continuity Equation, 625

Coronary artery bypass grafting

Efficacy of Coronary Artery Bypass Surgery With Gastroepiploic Artery: Assessment With Thallium 201 Myocardial Scintigraphy, I-135

Saphenous Vein Graft Patency 1 Year After Coronary Artery Bypass Surgery and Effects of Antiplatelet Therapy: Results of a Veterans Administration Cooperative Study, 1190

Coronary artery disease

Coronary Artery Disease in Cardiac Transplant Patients Receiving Triple-Drug Immunosuppressive Therapy, III-111 Exercise-Induced ST Depression in the Diagnosis of Coronary Artery Disease: A Meta-Analysis, 87

Prognostic Importance of Dipyridamole-Echocardiography Test in Coronary Artery Disease, 450

Surgical Consideration of Aortitis Involving the Aortic Root, I-222

The Diastolic Hyperemic Flow Versus Pressure Relation: A New Index of Coronary Stenosis Severity and Flow Reserve, 941

Time-Dependent Risk of and Predictors for Cardiac Arrest Recurrence in Survivors of Out-of-Hospital Cardiac Arrest With Chronic Coronary Artery Disease, 599

Coronary artery pathology

Coronary Arteries in the Hypoplastic Left Heart Syndrome: Histopathologic and Histometrical Studies and Implications for Surgery, I-168

Coronary autoregulation

Effects of Graded Reductions in Coronary Perfusion Pressure on the Diastolic Pressure-Segment Length Relation and the Rate of Isovolumic Relaxation in the Resting Conscious Dog, 1458

Coronary circulation

Details of Coronary Stenosis Morphology Influence Its Hemodynamic Severity and Distal Flow Reserve, 636

Isoproterenol-Induced Alterations in Myocardial Blood Flow, Systolic and Diastolic Function in Conscious Dogs With Heart Failure, 658

¹³N Ammonia Myocardial Imaging at Rest and With Exercise in Pormal Volunteers: Quantification of Absolute Myocardial Perfusion With Dynamic Positron Emission Tomography, 1328

Substance P Dilates Epicardial Coronary Arteries and Increases Coronary Blood Flow in Humans, 475

Coronary dilation

Effects of Atrial Natriuretic Peptide on the Coronary Arterial Vasculature in Humans, 1627

Coronary disease

Prevalence and Clinical Significance of Silent Myocardial Ischemia, IV-68

Coronary flow velocity

Catheter: Validation of a Method Based on the Continuity
Equation. 625

The Effect of Diltiazem on Coronary Flow Reserve in Humans, 1240

Coronary heart disease

Determinants of Prolonged Length of Hospital Stay After

Coronary Bypass Surgery, 276

Morphometric Analysis of the Composition of Atherosclerotic Plaques in the Four Major Epicardial Coronary Arteries in Acute Myocardial Infarction and in Sudden Coronary Death. 1747

Recurrent Ischemia More Than 1 Year After Successful Percutaneous Transluminal Coronary Angioplasty: An Analysis of the Extent and Anatomic Pattern of Coronary Disease, 1580

Relative Impact of Targeted Versus Populationwide Cholesterol Interventions on the Incidence of Coronary Heart Disease: Projections of the Coronary Heart Disease Policy Model, 254

Stiffness of Systemic Arteries in Patients With Myocardial Infarction: A Noninvasive Method to Predict Severity of Coronary Atherosclerosis, 78

Coronary sinus

Adequate Preservation of Right Ventricular Function After Coronary Sinus Cardioplegia: A Clinical Study, III-19

Coronary spasm

Usefulness of Calcium Entry Blockers During and After Percutaneous Transluminal Coronary Artery Angioplasty, IV-88

Coronary vessels

Effects of Calcium Entry Blockade on Myocardial Blood Flow, IV-40

Endothelium-Derived Relaxing Factor and Protection Against Contractions Induced by Histamine and Serotonin in the Human Internal Mammary Artery and in the Saphenous Vein, 1041

Four-Year Follow-up Study in Patients With Angina Pectoris and Normal Coronary Arteriograms ("Syndrome X"), 1610.

Impact of Compensatory Enlargement of Atherosclerotic Coronary Arteries on Angiographic Assessment of Coronary Artery Disease, 1603

The Effect of Diltiazem on Coronary Flow Reserve in Humans, 1240

Cryopreservation

Growth of Fresh-Frozen Pulmonary Allograft Conduit in Growing Lambs, I-183

Cryosurger

Surgical Treatment of Ventricular Tachycardia: Regional Cryoablation Guided by Computerized Epicardial and Endocardial Mapping, I-124

(+)-Cranidanol-3

Prevention of Postischemic Cardiac Injury by the Orally ctive Iron Chelator 1,2-Dimethyl-3-Hydroxy-4-Pyridone (L1) and the Antioxidant (+)-Cyanidanol-3, 158

Cyclic guanosine monophosphate

Effects of Atrial Natriuretic Peptide on the Coronary Arterial Vasculature in Humans, 1627

D

Death, sudden

Asymptomatic Wolff-Parkinson-White: Should We Intervene? 1902

Dispatcher-Assisted Cardiopulmonary Resuscitation: Validation of Efficacy, 1231

Diverse Mechanisms of Unexpected Cardiac Arrest in Advanced Heart Failure, 1675

Effects of Antihypertensive Therapy on Hypertensive Heart Disease, IV-145

Morphometric Analysis of the Composition of Atherosclerotic Plaques in the Four Major Epicardial Coronary Arteries in Acute Myocardial Infarction and in Sudden Coronary Death, 1747

Time-Series Analysis of Heart Rate Variability During Submaximal Exercise: Evidence for Reduced Cardiac Vagal Tone in Animals Susceptible to Ventricular Fibrillation, 146 Deferoxamine

Amelioration of Postischemic Stunning by Deferoxamine-Blood Cardioplegia, III-30

Defibrillation

Role of Endogenous Adenosine in Postdefibrillation Bradyarrhythmia and Hemodynamic Depression, 128

Desethylamiodarone

Electropharmacology of Amiodarone Therapy Initiation: Time Courses of Onset of Electrophysiologic and Antiarrhythmic Effects, 34

Diabetes mellitus

Marked Decline of Coronary Heart Disease Mortality in 35-44-Year-Old White Men in Allegheny County, Pennsylvania, 261

Diastole

Early Improvement in Left Ventricular Diastolic Function After Relief of Chronic Right Ventricular Pressure Over-

Effects of Graded Reductions in Coronary Perfusion Pressure on the Diastolic Pressure-Segment Length Relation and the Rate of Isovolumic Relaxation in the Resting Conscious Dog, 1458

Diastolic blood pressure

Carotid Arteriosclerosis in Identical Twins Discordant for Cigarette Smoking, 10

Diet

A Prospective Study of Nutritional Factors and Hypertension Among US Women, 1320

Dietary Alcohol, Calcium, and Potassium: Independent and Combined Effects on Blood Pressure, 609

Digitalis

Sympathoinhibitory Responses to Digitalis Glycosides in Heart Failure Patients: Direct Evidence From Sympathetic Neural Recordings, 65

Dilatation

Intravascular Ultrasound Cross-Sectional Arterial Imaging Before and After Balloon Angioplasty In Vitro, 873

Dilated cardiomyopathy

Myocardial Energetics in Patients With Dilated Cardiomyopathy: Influence of Nitroprusside and Enoximone, 51

Diltiazem

Effects of Calcium Entry Blockade on Myocardial Blood Flow, IV-40

Frequency-Dependent Effects of Diltiazem on the Atrioventricular Node During Experimental Atrial Fibrillation, 380

Response of Blood Pressure, Cardiac Output, Peripheral Resistance, and Exercise Performance to Substitution of Calcium Blocker for β-Blocker Plus Thiazide Diuretic Therapy in Patients With Both Systemic Hypertension and Mild Stable Angina, IV-162

The Interaction Between Diltiazem and Left Ventricular Function After Myocardial Infarction, IV-102

Usefulness of Calcium Entry Blockers During and After Percutaneous Transluminal Coronary Artery Angioplasty, IV-88

Diltiazem TA-3090

Pharmacology of TA-3090 (8-Chloro Diltiazem) Related to Its Cerebrovascular Protective Properties, IV-178

Detection of Coronary Artery Stenosis in Children With Kawasaki Disease: Usefulness of Pharmacologic Stress 201Tl Myocardial Tomography, 615

Electrophysiologic Effects of Dipyridamole on Atrioventricular Nodal Conduction and Supraventricular Tachycardia: Role of Endogenous Adenosine, 1536

Role of Endogenous Adenosine in Postdefibrillation Bradyarrhythmia and Hemodynamic Depression, 128

Diurnal variation

Differing Circadian Patterns of Symptom Onset in Subgroups of Patients With Acute Myocardial Infarction, 267

Comparison of Measures of Left Ventricular Contractile Performance Derived From Pressure-Volume Loops in Conscious Dogs, 1378

Sympathoinhibitory Responses to Digitalis Glycosides in Heart Failure Patients: Direct Evidence From Sympathetic Neural Recordings, 65

Doppler flowmetry

Effects of Exercise Training on Common Femoral Artery Blood Flow in Patients With Intermittent Claudication, III-59

Doppler pressure ratio

Conservative Drug Treatment in Patients With Moderately Severe Chronic Occlusive Peripheral Arterial Disease, 1549

Use of Calcium Entry Blockers in Elderly Patients: Special Considerations, IV-171

Duplex sonography

Carotid Arteriosclerosis in Identical Twins Discordant for Cigarette Smoking, 10

Durability

Ten-Year Experience With the Medtronic Hall Valvular Prosthesis: A Study of 1,104 Patients, I-43

Echocardiography

Continuous Wave Doppler Echocardiographic Measurement of Prosthetic Valve Gradients: A Simultaneous Doppler-Catheter Correlative Study, 504

Influence of Mitral Valve Morphology on Double-Balloon Catheter Balloon Valvuloplasty in Patients With Mitral Stenosis: Analysis of Factors Predicting Immediate and 3-Month Results, 515 Prognostic Importance of Dipyridamole-Echocardiography

Test in Coronary Artery Disease, 450

Two-Dimensional and Doppler-Echocardiographic and Cardiac Catheterization Correlates of Survival in Primary Pulmonary Hypertension, 353

Ultrasonic Tissue Characterization of Human Hypertrophied Hearts In Vivo With Cardiac Cycle-Dependent Variation in

Integrated Backscatter, 925

Ultrasonic Tissue Characterization With Integrated Backscatter: Acute Myocardial Ischemia, Reperfusion, and Stunned Myocardium in Patients, 491

Echocardiography, Doppler

A New Method for Estimating Left Ventricular dP/dt by Continuous Wave Doppler-Echocardiography: Validation Studies at Cardiac Catheterization, 1287

Ambulatory Follow-up of Aortic Dissection by Transesophageal Two-Dimensional and Color-Coded Doppler Echocar-

diography, 24

Assessment of Left-to-Right Atrial Shunting After Percutaneous Mitral Valvuloplasty by Transesophageal Color Doppler Flow-Mapping, 1521

Early Improvement in Left Ventricular Diastolic Function After Relief of Chronic Right Ventricular Pressure Over-

Flow-Dependent Coronary Artery Dilatation in Humans, 466 Response of Blood Pressure, Cardiac Output, Peripheral Resistance, and Exercise Performance to Substitution of Calcium Blocker for β-Blocker Plus Thiazide Diuretic Therapy in Patients With Both Systemic Hypertension and Mild Stable Angina, IV-162

Rest and Exercise Evaluation of St. Jude Medical and Medtronic Hall Prostheses: Influence of Primary Lesion. Valvular Type, Valvular Size, and Left Ventricular Func-

tion, I-16

Two-Dimensional and Doppler- Echocardiographic and Cardiac Catheterization Correlates of Survival in Primary Pulmonary Hypertension, 353

Two-dimensional Echocardiographic and Color Flow Doppler Evaluation of Ductal Occlusion With the Rashkind Prosthesis, 1706

Echocardiography, M-mode

Mitral Valve Dimensions and Motion in Marfan Patients With and Without Mitral Valve Prolapse: Comparison to Primary Mitral Valve Prolapse and Normal Subjects, 915

Echocardiography, two-dimensional

Early Improvement in Left Ventricular Diastolic Function After Relief of Chronic Right Ventricular Pressure Overload, 823

Mitral Valve Dimensions and Motion in Marfan Patients With and Without Mitral Valve Prolapse: Comparison to Primary Mitral Valve Prolapse and Normal Subjects, 915

Two-dimensional Echocardiographic and Color Flow Doppler Evaluation of Ductal Occlusion With the Rashkind Prosthe-

Efficacy

Mechanisms of Action and Clinical Use of Calcium Antagonists in Hypertension, IV-136

Ejection fraction

Detecting Abnormalities in Left Ventricular Function During Exercise by Respiratory Measurement, 1737

Medical Compared With Surgical Management of Unstable Angina: 5-Year Mortality and Morbidity in the Veterans Administration Study, 1176

Preoperative Identification of Patients Likely to Have Left Ventricular Dysfunction After Aortic Valve Replacement: Participants in the Veterans Administration Cooperative Study on Valvular Heart Disease, I-65

Elastance

Measurement of End-Systolic Pressure-Volume Relations by Intra-Aortic Balloon Occlusion, 1016

Biochemical Basis for the Difference Between Normal and Atherosclerotic Arterial Fluorescence, 1893

Electric stimulation

The Excitable Gap in Atrioventricular Nodal Reentrant Tachycardia: Characterization With Ventricular Extrastimuli and Pharmacologic Intervention, 324

Electrocardiography

Four-Year Follow-up Study in Patients With Angina Pectoris and Normal Coronary Arteriograms ("Syndrome X"), 1610 Recovery-Phase Patterns of ST Segment Depression in the Heart Rate Domain: Identification of Coronary Artery Dis-

ease by the Rate-Recovery Loop, 533 Electrograms

Distribution of Extracellular Potassium and Electrophysiologic Changes During Two-Stage Coronary Ligation in the Isolated, Perfused Canine Heart, 165

Electrophysiology

Action Potential Duration Alternans in Dog Purkinje and Ventricular Muscle Fibers: Further Evidence in Support of Two Different Mechanisms, 1421

Electropharmacology of Amiodarone Therapy Initiation: Time Courses of Onset of Electrophysiologic and Antiarrhythmic Effects, 34

Electrophysiologic Abnormalities in Patients With Hypertrophic Cardiomyopathy: A Consecutive Analysis in 155 Patients, 1259

Time-Dependent Risk of and Predictors for Cardiac Arrest Recurrence in Survivors of Out-of-Hospital Cardiac Arrest With Chronic Coronary Artery Disease, 599

Emergency care

Dispatcher-Assisted Cardiopulmonary Resuscitation: Validation of Efficacy, 1231

Emergency communications

Dispatcher-Assisted Cardiopulmonary Resuscitation: Validation of Efficacy, 1231

Emotional stress

Volume-Pressure Analysis of Reflex Changes in Forearm Venous Function: A Method by Mental Arithmetic Stress and Radionuclide Plethysmography, 99

Encainide

Antiarrhythmic Efficacy, Clinical Electrophysiology, and Pharmacokinetics of 3-Methoxy-O-Desmethyl Encainide (MODE) in Patients With Inducible Ventricular Tachycardia or Fibrillation, 1247

Reversal of Proarrhythmic Effects of Flecainide Acetate and Encainide Hydrochloride by Propranolol, 1571

Endarterectomy

Reexploration for Thrombosis in Carotid Endarterectomy, III-73

Endocardium

Details of Coronary Stenosis Morphology Influence Its Hemodynamic Severity and Distal Flow Reserve, 636

Endomyocardial biopsy

Predictors of Late Acute Orthotopic Heart Transplant Rejection, III-106

Endothelium

Atherosclerosis Impairs Flow-Mediated Dilation of Coronary Arteries in Humans, 458

Intracoronary Adenosine Administered After Reperfusion Limits Vascular Injury After Prolonged Ischemia in the Canine Model, 1388

Endothelium-derived relaxing factor

Endothelium-Dependent Inhibition of Ergonovine-Induced Contraction Is Impaired in Porcine Coronary Arteries With Regenerated Endothelium, 643

Endothelium-Dependent Relaxation in Response to Aggregating Platelets in Porcine Femoral Veins and Its Modulation by Diet, 401

Endothelium-Derived Relaxing Factor and Coronary Vasospasm, 1 Endothelium-Derived Relaxing Factor and Protection Against

Contractions Induced by Histamine and Serotonin in the Human Internal Mammary Artery and in the Saphenous Vein, 1041

Flow-Dependent Coronary Artery Dilatation in Humans, 466

Endothelium-independent relaxation

Pulsed Ultraviolet Laser Irradiation Produces Endothelium-Independent Relaxation of Vascular Smooth Muscle, 189

Endothelium-mediated dilatation

Flow-Dependent Coronary Artery Dilatation in Humans, 466 Energetics, myocardial

Myocardial Energetics in Patients With Dilated Cardiomyopathy: Influence of Nitroprusside and Enoximone, 51

Myocardial Energetics in Patients With Dilated Cardiomyopathy: Influence of Nitroprusside and Enoximone, 51

Epicardial mapping

Surgical Treatment of Ventricular Tachycardia: Regional Cryoablation Guided by Computerized Epicardial and Endocardial Mapping, I-124

Epidemiologic methods

Epidemiology of Idiopathic Dilated and Hypertrophic Cardiomyopathy: A Population-Based Study in Olmsted County, Minnesota, 1975-1984, 564

Epinephrine

Sympathoadrenal Inhibition by Atrial Natriuretic Peptide Is Not Attenuated During Development of Congestive Heart Failure in Dogs, 1862

Exercise

Abnormal Exercise Hemodynamics in Cardiac Allograft Recipients 1 Year After Cardiac Transplantation: Relation to Preload Reserve, 525

Contribution of Intrinsic Skeletal Muscle Changes to 31P NMR Skeletal Muscle Metabolic Abnormalities in Patients With Chronic Heart Failure, 1338

Exercise Response Before and After Termination of Atrial Tachycardia After Congenital Heart Disease Surgery, 106

Four-Year Follow-up Study in Patients With Angina Pectoris and Normal Coronary Arteriograms ("Syndrome X"), 1610 Peripheral Vascular Disease: Rheologic Variables During Con-

trolled Ischemia, 348

Relation Between Central and Peripheral Hemodynamics During Exercise in Patients With Chronic Heart Failure: Muscle Blood Flow Is Reduced With Maintenance of Arterial Perfusion Pressure, 769

Exercise tests

Detecting Abnormalities in Left Ventricular Function During Exercise by Respiratory Measurement, 1737

Detection of Diseased Coronary Artery by Exercise ST-T Maps in Patients With Effort Angina Pectoris, Single-Vessel Disease, and Normal ST-T Wave on Electrocardiogram at Rest, 120

Exercise-Induced ST Depression in the Diagnosis of Coronary Artery Disease: A Meta-Analysis, 87

Exercise Training After Experimental Myocardial Infarction Increases the Ventricular Fibrillation Threshold Before and After the Onset of Reinfarction in the Isolated Rat Heart,

Exercise Treadmill Testing Is a Poor Predictor of Anatomic Restenosis After Angioplasty for Acute Myocardial Infarction, 1585

Prognosis in Patients With Low Left Ventricular Ejection Fraction After Myocardial Infarction: Importance of Exercise Capacity, 1636

Recovery-Phase Patterns of ST Segment Depression in the Heart Rate Domain: Identification of Coronary Artery Dis-

ease by the Rate-Recovery Loop, 533

Response of Blood Pressure, Cardiac Output, Peripheral Resistance, and Exercise Performance to Substitution of Calcium Blocker for β-Blocker Plus Thiazide Diuretic Therapy in Patients With Both Systemic Hypertension and Mild Stable Angina, IV-162

Selective Enhancement of the Cardiac Sympathetic Response to Exercise by Anginal Chest Pain in Humans, 1642

Time-Series Analysis of Heart Rate Variability During Submaximal Exercise: Evidence for Reduced Cardiac Vagal Tone in Animals Susceptible to Ventricular Fibrillation, 146 **Exercise training**

Effects of Exercise Training on Common Femoral Artery Blood Flow in Patients With Intermittent Claudication, III-59

Exertion

Selective Enhancement of the Cardiac Sympathetic Response to Exercise by Anginal Chest Pain in Humans, 1642

Experimental palliative surgery

Coronary Arteries in the Hypoplastic Left Heart Syndrome: Histopathologic and Histometrical Studies and Implications for Surgery, I-168

Fibrillation

Frequency-Dependent Effects of Diltiazem on the Atrioventricular Node During Experimental Atrial Fibrillation, 380

Prevention of Symptomatic Recurrences of Paroxysmal Atrial Fibrillation in Patients Initially Tolerating Antiarrhythmic Therapy: A Multicenter, Double-Blind, Crossover Study of Flecainide and Placebo With Transtelephonic Monitoring,

Role of Calcium in Arrhythmogenesis, IV-23 The Coherence Spectrum: A Quantitative Discriminator of Fibrillatory and Nonfibrillatory Cardiac Rhythms, 112

Fibrinolytic agents

Circadian Variation of Plasma Fibrinopeptide A Level in Patients With Variant Angina, 1617

Prevention of Symptomatic Recurrences of Paroxysmal Atrial Fibrillation in Patients Initially Tolerating Antiarrhythmic Therapy: A Multicenter, Double-Blind, Crossover Study of Flecainide and Placebo With Transtelephonic Monitoring,

Reversal of Proarrhythmic Effects of Flecainide Acetate and Encainide Hydrochloride by Propranolol, 1571

Fluorine NMR

Calcium and Its Role in Myocardial Cell Injury During Ischemia and Reperfusion, IV-17

Fontan procedure

Functional Right-Heart Replacement With Skeletal Muscle Ventricles, III-183

Pulmonary Artery Index: A Nonpredictor of Operative Survival in Patients Undergoing Modified Fontan Repair, I-216

Free radical enzymes

Response to Ischemia-Reperfusion Injury in Hypertrophic Heart: Role of Free-Radical Metabolic Pathways, III-10

Free radicals

Myocardial Free-Radical Injury After Cardioplegia, III-14 Prevention of Postischemic Cardiac Injury by the Orally Active Iron Chelator 1,2-Dimethyl-3-Hydroxy-4-Pyridone (L1) and the Antioxidant (+)-Cyanidanol-3, 158

Singlet Oxygen-Induced Arrhythmias: Dose- and Light-Response Studies for Photoactivation of Rose Bengal in the Rat Heart, 1432

Frequency-dependent effects

Frequency-Dependent Effects of Diltiazem on the Atrioventricular Node During Experimental Atrial Fibrillation, 380

G protein

Endothelium-Dependent Inhibition of Ergonovine-Induced Contraction Is Impaired in Porcine Coronary Arteries With Regenerated Endothelium, 643

Gastroepiploic arterial graft

Efficacy of Coronary Artery Bypass Surgery With Gastroepi-ploic Artery: Assessment With Thallium 201 Myocardial Scintigraphy, I-135

HLA-DR/DQ Antigens and Reactivity to B Cell Alloantigen D8/17 in Indian Patients With Rheumatic Heart Disease, 335 Seeding of Intravascular Stents With Genetically Engineered Endothelial Cells, 1347

Octogenarians With Aortic Stenosis: Outcome After Aortic Valve Replacement, I-49

Use of Calcium Entry Blockers in Elderly Patients: Special Considerations, IV-171

Valvular Surgery in the Elderly, I-77

Global and regional left ventricular mechanics

Global and Regional Left Ventricular Systolic Performance in the in Situ Ejecting Canine Heart: Importance of the Mitral Apparatus, I-24

Global ischemia

Pharmacokinetics of Superoxide Dismutase During Hypothermic Cardiopulmonary Bypass, III-25

The Effects of Calcium Entry Blockade on Normal and Ischemic Ventricular Diastolic Function, IV-52

Glucocorticoids

Steroid-Induced Myocardial Preservation Is Associated With Decreased Cell Membrane Microviscosity, III-36

Glucose-insulin-potassium

Efficacy of Metabolic Support With Glucose-Insulin-Potassium for Left Ventricular Pump Failure After Aortocoronary Bypass Surgery, I-91

Glutathione

Relation Between Myocardial Glutathione Content and Extent of Ischemia-Reperfusion Injury, 1795

Glyceryl trinitrate

Reactivity of Human Isolated Internal Mammary Artery to Constrictor and Dilator Agents: Implications for Treatment of Internal Mammary Artery Spasm, I-141

Glycoprotein complex IIb/IIIa

Prevention of Reoccluding Platelet-Rich Thrombi in Canine Femoral Arteries With a Novel Peptide Antagonist of Platelet Glycoprotein IIb/IIIa Receptors, 1775

GRF gine

Use of Surgical Glue Without Replacement in the Treatment of Type A Aortic Dissection, I-264

Growth factors

Mechanisms Responsible for Inhibition of Vein-Graft Arteriosclerosis by Fish Oil, I-109

Ħ

Heart disease

Detection of Diseased Coronary Artery by Exercise ST-T Maps in Patients With Effort Angira Pectoris, Single-Vessel Disease, and Normal ST-T Wave on Electrocardiogram at Rest, 120

Heart donor

The Older Cardiac Transplant Donor: Relation to Graft Function and Recipient Survival Longer Than 6 Years, III-126

Heart failure

Contribution of Intrinsic Skeletal Muscle Changes to 31P NMR Skeletal Muscle Metabolic Abnormalities in Patients With Chronic Heart Failure, 1338

Diverse Mechanisms of Unexpected Cardiac Arrest in

Advanced Heart Failure, 1675

Pathophysiological Mechanisms Underlying the Adverse Effects of Calcium Channel Blocking Drugs in Patients With Chronic Heart Failure, IV-59

Relation Between Central and Peripheral Hemodynamics During Exercise in Patients With Chronic Heart Failure: Muscle Blood Flow Is Reduced With Maintenance of Arterial Perfusion Pressure, 769

Sympathoinhibitory Responses to Digitalis Glycosides in Heart Failure Patients: Direct Evidence From Sympathetic Neural Recordings, 65

Heart failure, congestive

Dynamic Mitral Regurgitation: An Important Determinant of the Hemodynamic Response to Load Alterations and Inotropic Therapy in Severe Heart Failure, 306

Failure of Atrial Natriuretic Factor to Increase With Volume Expansion in Acute and Chronic Congestive Heart Failure

in the Dog, 651

Long-term β-Blockade in Dilated Cardiomyopathy: Effects of Short- and Long-term Metoprolol Treatment Followed by Withdrawal and Readministration of Metoprolol, 551

Magnesium Content of Serum, Circulating Mononuclear Cells, Skeletal Muscle, and Myocardium in Congestive Heart

Failure, 573

The N-Terminus and a 4,000-MW Peptide From the Midportion of the N-Terminus of the Atrial Natriuretic Factor Prohormone Each Circulate in Humans and Increase in Congestive Heart Failure, 438

Heart function

Systolic and Diastolic Left Ventricular Dysfunction Due to Mild Hypothermia, III-44

Impaired Chronotropic Response to Exercise in Patients With Congestive Heart Failure: Role of Postsynaptic β-Adrenergic Desensitization, 314

Time-Series Analysis of Heart Rate Variability During Sub-maximal Exercise: Evidence for Reduced Cardiac Vagal Tone in Animals Susceptible to Ventricular Fibrillation, 146

Hemiarch repair

Ten-Year Operative Experience With 165 Aneurysms of the Ascending Aorta and Aortic Arch, I-249

Hemodynamics

Left Ventricular Volume Measurement by Conductance Catheter in Intact Dogs: Parallel Conductance Volume Depends on Left Ventricular Size, 1360

Long-term β-Blockade in Dilated Cardiomyopathy: Effects of Short- and Long-term Metoprolol Treatment Followed by Withdrawal and Readministration of Metoprolol, 551

Stimulated Preconditioned Skeletal Muscle Cardiomyoplasty: An Effective Means of Cardiac Assist, III-202

Hemoglobin

Endothelium-Derived Relaxing Factor and Protection Against Contractions Induced by Histamine and Serotonin in the Human Internal Mammary Artery and in the Saphenous Vein. 1041

Heparin, low molecular weight

Treatment of Acute Venous Thromboembolism With Low Molecular Weight Heparin (Fragmin): Results of a Double-Blind Randomized Study, 935

Endothelium-Derived Relaxing Factor and Protection Against Contractions Induced by Histamine and Serotonin in the Human Internal Mammary Artery and in the Saphenous Vein, 1041

HMG CoA reductase inhibitors

HMG CoA Reductase Inhibitors Lower LDL Cholesterol Without Reducing Lp(a) Levels, 1313

Growth of Fresh-Frozen Pulmonary Allograft Conduit in Growing Lambs, I-183

Hormones

Regulation of Ventricular Atrial Natriuretic Peptide Release in Hypertrophied Rat Myocardium: Effects of Exercise, 390

The N-Terminus and a 4,000-MW Peptide From the Midportion of the N-Terminus of the Atrial Natriuretic Factor Prohormone Each Circulate in Humans and Increase in Congestive Heart Failure, 438

Humoral rejection

Relation Between Survival and Development of Coronary Artery Disease and Anti-HLA Antibodies After Cardiac Transplantation, III-122

Hybridization, molecular

End-Stage Dilated Cardiomyopathy: Persistence of Enterovirus RNA in Myocardium at Cardiac Transplantation and Lack of Immune Response, 1128

Hypercholesterolemia

Current Approaches to Drug Therapy for the Hypercholesterolemic Patient, 1101

Endothelium-Dependent Relaxation in Response to Aggregating Platelets in Porcine Femoral Veins and Its Modulation by Diet. 401

Hypercoagulability

Lupus-like Anticoagulants and Lower Extremity Arterial Occlusive Disease, III-54

Hyperfiltration

Calcium Channel Blockers: Progression of Renal Disease, IV-47

Hypernatremia

Acute Electrophysiologic Effects of Sodium Administration in Dogs Treated With O-Desmethyl Encainide, 994

A Prospective Study of Nutritional Factors and Hypertension Among US Women, 1320

Blunted Sympathetic Response to Cardiopulmonary Receptor Unloading in Hypertensive Patients With Left Ventricular Hypertrophy: A Possible Compensatory Role of Atrial Natriuretic Factor, 883

Calcium Channel Blockers: Progression of Renal Disease,

Dietary Alcohol, Calcium, and Potassium: Independent and Combined Effects on Blood Pressure, 609

Effects of Calcium Entry Blockade on Hypertension-Induced Left Ventricular Hypertrophy, IV-151

Inverse Relation Between Serum Cotinine Concentration and Blood Pressure in Cigarette Smokers, 1309

Low-Dose Infusion of Atrial Natriuretic Factor in Mild Essential Hypertension, 893

Mechanisms of Action and Clinical Use of Calcium Antagonists in Hypertension, IV-136

Natural History of Aortoarteritis (Takayasu's Disease), 429 Newer Principles of Patient Profiling for Antihypertensive Therapy, IV-128

Response of Blood Pressure, Cardiac Output, Peripheral Resistance, and Exercise Performance to Substitution of Calcium Blocker for B-Blocker Plus Thiazide Diuretic Therapy in Patients With Both Systemic Hypertension and Mild Stable Angina, IV-162

Hypertension control

Antihypertensive Treatment: Considerations Beyond Blood Pressure Control, IV-120

Hypertension, pulmonary

Early Improvement in Left Ventricular Diastolic Function After Relief of Chronic Right Ventricular Pressure Overload, 823

Histopathology of Primary Pulmonary Hypertension: A Qualitative and Quantitative Study of Pulmonary Blood Vessels From 58 Patients in the National Heart, Lung, and Blood Institute Primary Pulmonary Hypertension Registry, 1198

Primary Pulmonary Hypertension: Vascular Structure, Morphometry, and Responsiveness to Vasodilator Agents, 1207 Two-Dimensional and Doppler-Echocardiographic and Car-

diac Catheterization Correlates of Survival in Primary Pulmonary Hypertension, 353

Hypertensive pulmonary vascular disease

Histopathology of Primary Pulmonary Hypertension: A Qualitative and Quantitative Study of Pulmonary Blood Vessels From 58 Patients in the National Heart, Lung, and Blood Institute Primary Pulmonary Hypertension Registry, 1198 Hypertrophic cardiomyopathy

Electrophysiologic Abnormalities in Patients With Hypertrophic Cardiomyopathy: A Consecutive Analysis in 155

Patients, 1259

Results of Operation for Hypertrophic Obstructive Cardiomyopathy in Children and Adults Less Than 40 Years of Age,

Hypertrophy

Blunted Sympathetic Response to Cardiopulmonary Receptor Unloading in Hypertensive Patients With Left Ventricular Hypertrophy: A Possible Compensatory Role of Atrial Natriuretic Factor, 883

Functional Significance of Hypertrophy of the Noninfarcted Myocardium After Myocardial Infarction in Humans, 816 Regulation of Ventricular Atrial Natriuretic Peptide Release in

Hypertrophied Rat Myocardium: Effects of Exercise, 390 Response to Ischemia-Reperfusion Injury in Hypertrophic Heart: Role of Free-Radical Metabolic Pathways, III-10

Ultrasonic Tissue Characterization of Human Hypertrophied Hearts In Vivo With Cardiac Cycle-Dependent Variation in Integrated Backscatter, 925

Verapamil Preserves Myocardial Performance and Energy Metabolism in Left Ventricular Hypertrophy Following Ischemia and Reperfusion: Phosphorus 31 Magnetic Resonance Spectroscopy Study, 1837

Hypoplastic left heart syndrome

Pulmonary Artery Index: A Nonpredictor of Operative Survival in Patients Undergoing Modified Fontan Repair, I-216

Hypothermia

Ten-Year Operative Experience With 165 Aneurysms of the Ascending Aorta and Aortic Arch, I-249

Hypothermic cardiopulmonary bypass

Surgery for Aortic Arch Aneurysm With Selective Cerebral Perfusion and Hypothermic Cardiopulmonary Bypass, I-243

Hypothermic ischemic arrest

Efficacy of Metabolic Support With Glucose-Insulin-Potassium for Left Ventricular Pump Failure After Aortocoronary Bypass Surgery, I-91

ICI 154,129

Opiate Receptor Inhibition Improves the Blunted Baroreflex Function in Conscious Dogs With Right-Sided Congestive Heart Failure, 1010

Identical twins

Carotid Arteriosclerosis in Identical Twins Discordant for Cigarette Smoking, 10

Idiopathic hypertrophic subaortic stenosis

Septal Myotomy-Myomectomy Versus Mitral Valve Replacement in Hypertrophic Cardiomyopathy: Ten-Year Followup in 185 Patients, I-57

Immunoassay

Ventricular Expression of Atrial Natriuretic Polypeptide and Its Relations With Hemodynamics and Histology in Dilated Human Hearts: Immunohistochemical Study of the Endomyocardial Biopsy Specimens, 1137

Immunocytochemistry

Intimal Fibromuscular Hyperplasia at the Venous Anastomosis of PTFE Grafts in Hemodialysis Patients: Clinical, Immunocytochemical, Light and Electron Microscopic Assessment, 1726

Immunosuppression

Predictors of Late Acute Orthotopic Heart Transplant Rejec-

Prophylactic OKT3 Used as Induction Therapy for Heart Transplantation, III-79

Incidence

Epidemiology of Idiopathic Dilated and Hypertrophic Cardiomyopathy: A Population-Based Study in Olmsted County, Minnesota, 1975-1984, 564

Indium 111

Effect of a Critical Coronary Stenosis on Myocardial Neutrophil Accumulation During Ischemia and Early Reperfusion

Infarct salvage

Effect of the Hemopump Left Ventricular Assist Device on Regional Myocardial Perfusion and Function: Reduction of Ischemia During Coronary Occlusion, III-158

Predictors of Late Acute Orthotopic Heart Transplant Rejection, III-106

Infective endocarditis

Surgical Treatment of Aortic Root Abscess, I-269

Inhomogeneity

Distribution of Extracellular Potassium and Electrophysio-logic Changes During Two-Stage Coronary Ligation in the Isolated, Perfused Canine Heart, 165

Inotrope dependency
Optimal Timing of Pediatric Heart Transplantation, III-84

Intimal hyperplasia

Mechanisms Responsible for Inhibition of Vein-Graft Arteriosclerosis by Fish Oil, I-109

Prevention of Postischemic Cardiac Injury by the Orally Active Iron Chelator 1,2-Dimethyl-3-Hydroxy-4-Pyridone (L1) and the Antioxidant (+)-Cyanidanol-3, 158

Increased Morning Incidence of Myocardial Infarction in the ISAM Study: Absence With Prior β-Adrenergic Blockade,

Assessment of Myocardial Salvage After Ischemia and Reperfusion Using Magnetic Resonance Imaging and Spectrosсору, 969

Determinants of End-Systolic Pressure-Volume Relations During Acute Regional Ischemia In Situ, 1783

Distribution of Extracellular Potassium and Electrophysiologic Changes During Two-Stage Coronary Ligation in the Isolated, Perfused Canine Heart, 165

Metabolic Protection by Verapamil During Graded Coronary Flow Reduction Independent of Effect on Baseline Systolic Function: Separation of Mechanical and Ionic Markers of Ischemia, 1870

Peripheral Vascular Disease: Rheologic Variables During Controlled Ischemia, 348

Prevention of Postischemic Cardiac Injury by the Orally Active Iron Chelator 1,2-Dimethyl-3-Hydroxy-4-Pyridone (L1) and the Antioxidant (+)-Cyanidanol-3, 158

Recovery-Phase Patterns of ST Segment Depression in the Heart Rate Domain: Identification of Coronary Artery Dis-

ease by the Rate-Recovery Loop, 533 Selective Enhancement of the Cardiac Sympathetic Response to Exercise by Anginal Chest Pain in Humans, 1642

Verapamil Preserves Myocardial Performance and Energy Metabolism in Left Ventricular Hypertrophy Following Ischemia and Reperfusion: Phosphorus 31 Magnetic Resonance Spectroscopy Study, 1837

Response to Ischemia-Reperfusion Injury in Hypertrophic Heart: Role of Free-Radical Metabolic Pathways, III-10

Cardiac Allograft Ischemic Time: Relation to Graft Survival and Cardiac Function, III-116

Isolated heart

Influence of Mitral Valve Prosthesis or Rigid Mitral Ring on Lef: Ventricular Pump Function: A Study on Exposed and Isolated Blood-Perfused Porcine Hearts, I-1

Isopotential mapping

Detection of Diseased Coronary Artery by Exercise ST-T Maps in Patients With Effort Angina Pectoris, Single-Vessel Disease, and Normal ST-T Wave on Electrocardiogram at Rest, 120

Isoproterenol

Hemodynamic and β-Adrenergic Receptor Adaptations During Long-term β-Adrenoceptor Blockade: Studies With Acebutolol, Atenolol, Pindolol, and Propranolol in Hypertensive Patients, 903

Isovolumic relaxation

Effects of Graded Reductions in Coronary Perfusion Pressure on the Diastolic Pressure-Segment Length Relation and the Rate of Isovolumic Relaxation in the Resting Conscious Dog. 1458

The Effects of Calcium Entry Blockade on Normal and Ischemic Ventricular Diastolic Function, IV-52

P

Kawasaki diseas

Detection of Coronary Artery Stenosis in Children With Kawasaki Disease: Usefulness of Pharmacologic Stress ²⁰¹Tl Myocardial Tomography, 615

Ketanserin

Endothelium-Dependent Inhibition of Ergonovine-Induced Contraction Is Impaired in Porcine Coronary Arteries With Regenerated Endothelium, 643

Randomized Placebo-Controlled, Double-Blind Trial of Ketanserin in Claudicants: Changes in Claudication Distance and Ankle Systolic Pressure, 1544

Kinetics

Kinetics of Myoglobin Release and Prediction of Myocardial Myoglobin Depletion After Coronary Artery Reperfusion, 676

L

Laser

Laser-Assisted Reconstructive Vascular Surgery, III-49
Laser, helium-cadmium

Biochemical Basis for the Difference Between Normal and Atherosclerotic Arterial Fluorescence, 1893

Laser irradiation

Pulsed Ultraviolet Laser Irradiation Produces Endothelium-Independent Relaxation of Vascular Smooth Muscle, 189

Latissimus dorsi

Functional Right-Heart Replacement With Skeletal Muscle Ventricles, III-183

Left ventricle

Measurement of End-Systolic Pressure-Volume Relations by Intra-Aortic Balloon Occlusion, 1016

Left ventricular assist device

Effect of the Hemopump Left Ventricular Assist Device on Regional Myocardial Perfusion and Function: Reduction of Ischemia During Coronary Occlusion, III-158

Left ventricular function

The Interaction Between Diltiazem and Left Ventricular Function After Myocardial Infarction, IV-102

Left ventricular hypertrophy

Effects of Antihypertensive Therapy on Hypertensive Heart Disease, IV-145

Effects of Calcium Entry Blockade on Hypertension-Induced Left Ventricular Hypertrophy, IV-151

Left ventricular performance

Assessment of Left Ventricular Functional Preservation During Isolated Cardiac Valve Operations, III-1

Preoperative Identification of Patients Likely to Have Left Ventricular Dysfunction After Aortic Valve Replacement: Participants in the Veterans Administration Cooperative Study on Valvular Heart Disease, I-65

Lesions, plexiform

Histopathology of Primary Pulmonary Hypertension: A Qualitative and Quantitative Study of Pulmonary Blood Vessels From 58 Patients in the National Heart, Lung, and Blood Institute, Primary Pulmonary Hypertension Registry, 1198

Lesions, thrombotic

Histopathology of Primary Pulmonary Hypertension: A Qualitative and Quantitative Study of Pulmonary Blood Vessels From 58 Patients in the National Heart, Lung, and Blood Institute, Primary Pulmonary Hypertension Registry, 1198

Leukocyte

Alleviation of Myocardial Stunning by Leukocyte and Platelet Depletion, 1828

Effect of a Critical Coronary Stenosis on Myocardial Neutrophil Accumulation During Ischemia and Early Reperfusion in Dogs, 1805

End-Stage Dilated Cardiomyopathy: Persistence of Enterovirus RNA in Myocardium at Cardiac Transplantation and Lack of Immune Response, 1128

Neutrophil Depletion Limited to Reperfusion Reduces Myocardial Infarct Size After 90 Minutes of Ischemia: Evidence for Neutrophil-Mediated Reperfusion Injury, 1816

Regulation of Cardiac β-Adrenergic Receptors by Captopril: Implications for Congestive Heart Failure, 669

Lipid peroxidation

Prevention of Postischemic Cardiac Injury by the Orally Active Iron Chelator 1,2-Dimethyl-3-Hydroxy-4-Pyridone (L1) and the Antioxidant (+)-Cyanidanol-3, 158

Lipoproteins

HMG CoA Reductase Inhibitors Lower LDL Cholesterol Without Reducing Lp(a) Levels, 1313 Mechanisms Responsible for Inhibition of Vein-Graft Arterio-

Mechanisms Responsible for Inhibition of Vein-Graft Arteriosclerosis by Fish Oil, I-109

Lower-extremity ischemia

Lupus-like Anticoagulants and Lower Extremity Arterial Occlusive Disease, III-54

Lung diseases

Primary Pulmonary Hypertension: Vascular Structure, Morphometry, and Responsiveness to Vasodilator Agents, 1207

Lupus anticoagulant

Lupus-like Anticoagulants and Lower Extremity Arterial Occlusive Disease, III-54

М

Magnesium

A Prospective Study of Nutritional Factors and Hypertension Among US Women, 1320

Magnesium Content of Serum, Circulating Mononuclear Cells, Skeletal Muscle, and Myocardium in Congestive Heart Failure, 573

Magnetic resonance imaging

Assessment of Myocardial Salvage After Ischemia and Reperfusion Using Magnetic Resonance Imaging and Spectroscopy, 969

Noninvasive Determination of Coronary Artery Bypass Graft Patency by Cine Magnetic Resonance Imaging, 1595

Magnetic resonance spectroscopy

Assessment of Myocardial Salvage After Ischemia and Reperfusion Using Magnetic Resonance Imaging and Spectroscopy, 969

Mapping, endocardial

Programmed Electrical Stimulation at Potential Ventricular Reentry Circuit Sites: Comparison of Observations in Humans With Predictions From Computer Simulations, 793

Surgical Treatment of Ventricular Tachycardia: Regional Cryoablation Guided by Computerized Epicardial and Endocardial Mapping, I-124

Marfan syndrome

Impact of Cardiovascular Operation on Survival in the Marfan Patient, I-233

Mitral Valve Dimensions and Motion in Marfan Patients With and Without Mitral Valve Prolapse: Comparison to Primary Mitral Valve Prolapse and Normal Subjects, 915

Mechanical support

Hemodynamic Characteristics of the Jarvik-7 Total Artificial Heart, III-152

Results of the First 100 Patients Who Received Symbion Total Artificial Hearts as a Bridge to Cardiac Transplantation, III-192 Mechanisms of action

Mechanisms of Action and Clinical Use of Calcium Antagonists in Hypertension, IV-136

Membrane fluidity

Steroid-Induced Myocardial Preservation Is Associated With Decreased Cell Membrane Microviscosity, III-36

Membrane injury

Singlet Oxygen-Induced Arrhythmias: Dose- and Light-Response Studies for Photoactivation of Rose Bengal in the Rat Heart, 1432

Membrane potential

Role of Calcium on Excitation-Contraction Coupling in Cardiac and Vascular Smooth Muscle, IV-1

Membrane viscosity

Steroid-Induced Myocardial Preservation Is Associated With Decreased Cell Membrane Microviscosity, III-36

Meta-analysis

An Overview of Randomized Trials of Rehabilitation With Exercise After Myocardial Infarction, 234

Exercise-Induced ST Depression in the Diagnosis of Coronary Artery Disease: A Meta-Analysis, 87

Magnesium Content of Serum, Circulating Mononuclear Cells, Skeletal Muscle, and Myocardium in Congestive Heart Failure, 573

Regional Myocardial Oxygen Consumption Determined Noninvasively in Humans With [1-11C]Acetate and Dynamic Positron Tomography, 863

Singlet Oxygen-Induced Arrhythmias: Dose- and Light-Response Studies for Photoactivation of Rose Bengal in the Rat Heart, 1432

3-Methoxy-O-desmethyl encainide

Antiarrhythmic Efficacy, Clinical Electrophysiology, and Pharmacokinetics of 3-Methoxy-O-Desmethyl Encainide (MODE) in Patients With Inducible Ventricular Tachycardia or Fibrillation, 1247

β₂-Microglobulin

β₂-Microglobulin: A Reliable Parameter for Differentiating Between Graft Rejection and Severe Infection After Cardiac Transplantation, 1681

Microspheres

Effect of the Hemopump Left Ventricular Assist Device on Regional Myocardial Perfusion and Function: Reduction of Ischemia During Coronary Occlusion, III-158

Milrinone

Impaired Chronotropic Response to Exercise in Patients With Congestive Heart Failure: Role of Postsynaptic β -Adrenergic Desensitization, 314

Mitogenic activity

Mechanisms Responsible for Inhibition of Vein-Graft Arteriosclerosis by Fish Oil, I-109

Mitral annulus

Three-Dimensional Echocardiographic Reconstruction of the Mitral Valve, With Implications for the Diagnosis of Mitral Valve Prolapse, 589

Mitral regurgitation

Dynamic Mitral Regurgitation: An Important Determinant of the Hemodynamic Response to Load Alterations and Inotropic Therapy in Severe Heart Failure, 306

Mitral valves

Global and Regional Left Ventricular Systolic Performance in the in Situ Ejecting Canine Heart: Importance of the Mitral

Influence of Mitral Valve Morphology on Double-Balloon Catheter Balloon Valvuloplasty in Patients With Mitral Stenosis: Analysis of Factors Predicting Immediate and 3-Month Results, 515

Septal Myotomy-Myomectomy Versus Mitral Valve Replacement in Hypertrophic Cardiomyopathy: Ten-Year Followup in 185 Patients, I-57

Primary Pulmonary Hypertension: Vascular Structure, Morphometry, and Responsiveness to Vasodilator Agents, 1207

Muscle, skeletal

Magnesium Content of Serum, Circulating Mononuclear Cells, Skeletal Muscle, and Myocardium in Congestive Heart Failure, 573

Noninvasive Detection of Skeletal Muscle Underperfusion With Near-Infrared Spectroscopy in Patients With Heart

Myectomy-myotomy

Results of Operation for Hypertrophic Obstructive Cardiomyopathy in Children and Adults Less Than 40 Years of Age, I-191

Myocardial

Determinants of End-Systolic Pressure-Volume Relations During Acute Regional Ischemia In Situ, 1783

Magnesium Content of Serum, Circulating Mononuclear Cells, Skeletal Muscle, and Myocardium in Congestive Heart Failure, 573

Myocardial blood flow

Mechanisms of Improved Ischemic Regional Dysfunction by Bradycardia: Studies on UL-FS 49 in Swine, 983

Myocardial contraction

Isoproterenol-Induced Alterations in Myocardial Blood Flow, Systolic and Diastolic Function in Conscious Dogs With Heart Failure, 658

Ultrasonic Tissue Characterization of Human Hypertrophied Hearts In Vivo With Cardiac Cycle-Dependent Variation in Integrated Backscatter, 925

Myocardial infarction

Current Status of Calcium Channel-Blocking Drugs After Q Wave and Non-Q Wave Myocardial Infarction, IV-107

Diagnostic Value of QRST Isointegral Maps in Detecting Myocardial Infarction Complicated by Bundle Branch Block, 542

Differing Circadian Patterns of Symptom Onset in Subgroups

of Patients With Acute Myocardial Infarction, 267 Exercise Treadmill Testing Is a Poor Predictor of Anatomic Restenosis After Angioplasty for Acute Myocardial Infarction, 1585

Feasibility of Tomographic 99mTc-Hexakis-2-Methoxy-2-Methylpropyl-Isonitrile Imaging for the Assessment of Myocardial Area at Risk and the Effect of Treatment in Acute Myocardial Infarction, 1277

Functional Significance of Hypertrophy of the Noninfarcted Myocardium After Myocardial Infarction in Humans, 816 Increased Morning Incidence of Myocardial Infarction in the ISAM Study: Absence With Prior β-Adrenergic Blockade,

Kinetics of Myoglobin Release and Prediction of Myocardial Myoglobin Depletion After Coronary Artery Reperfusion,

Morphometric Analysis of the Composition of Atherosclerotic Plaques in the Four Major Epicardial Coronary Arteries in Acute Myocardial Infarction and in Sudden Coronary Death, 1747

Pharmacodynamics of Thrombolysis With Recombinant Tissue-Type Plasminogen Activator: Correlation With Characteristics of and Clinical Outcomes in Patients With Acute Myocardial Infarction, 1222

Prognosis in Patients With Low Left Ventricular Ejection Fraction After Myocardial Infarction: Importance of Exer-

cise Capacity, 1636

Prognostic Implications and Predictors of Enhanced Regional Wall Motion of the Noninfarct Zone After Thrombolysis and Angioplasty Therapy of Acute Myocardial Infarction, 245 Recurrent Ischemia Without Warning: Analysis of Risk Fac-

tors for In-Hospital Ischemic Events Following Successful Thrombolysis With Intravenous Tissue Plasminogen Activator, 1159

Risk Stratification of Patients With Non-Q Wave Myocardial Infarction: The Critical Role of ST Segment Depression,

Time-Series Analysis of Heart Rate Variability During Submaximal Exercise: Evidence for Reduced Cardiac Vagal Tone in Animals Susceptible to Ventricular Fibrillation, 146 Myocardial ischemia

Amelioration of Postischemic Stunning by Deferoxamine-Blood Cardioplegia, III-30

Effects of Antihypertensive Therapy on Hypertensive Heart Disease, IV-145

Effects of Calcium Entry Blockade on Myocardial Blood Flow, IV-40

Mechanisms of Improved Ischemic Regional Dysfunction by Bradycardia: Studies on UL-FS 49 in Swine, 983

Prognostic Importance of Dipyridamole-Echocardiography Test in Coronary Artery Disease, 450

Reflex Responses to Myocardial Ischemia and Reperfusion: Role of Prostaglandins, 1878

Theoretical Considerations in the Use of Calcium Entry Blockers in Silent Myocardial Ischemia, IV-74

Myocardial ischemia occlusion

Progressive Impairment of Regional Myocardial Perfusion After Initial Restoration of Postischemic Blood Flow, 1846

Myocardial preservation

Steroid-Induced Myocardial Preservation Is Associated With Decreased Cell Membrane Microviscosity, III-36

Myocardial rejection

Pulsed Steroids for Treatment of Cardiac Rejection After Transplantation: What Dosage Is Necessary?, III-97

Myocardial relaxation

Isoproterenol-Induced Alterations in Myocardial Blood Flow, Systolic and Diastolic Function in Conscious Dogs With Heart Failure, 658

Myocardial reperfusion

Alleviation of Myocardial Stunning by Leukocyte and Platelet Depletion, 1828

Amelioration of Postischemic Stunning by Deferoxamine-Blood Cardioplegia, III-30

Myocardial reperfusion injury

Myocardial Free-Radical Injury After Cardioplegia, III-14

Myocardial temperature

Systolic and Diastolic Left Ventricular Dysfunction Due to Mild Hypothermia, III-44

Myocarditis

Association of Elevated Anti-Sarcolemma, Anti-Idiotype Antibody Levels With the Clinical and Pathologic Expression of Chronic Chagas Myocarditis, 1269

Myocardium

Action Potential Duration Alternans in Dog Purkinje and Ventricular Muscle Fibers: Further Evidence in Support of Two Different Mechanisms, 1421

Relation Between Myocardial Glutathione Content and Extent of Ischemia-Reperfusion Injury, 1795

Thrombolysis and Its Sequelae: Calcium Antagonists as Potential Adjunctive Therapy, IV-93

Ventricular Expression of Atrial Natriuretic Polypeptide and Its Relations With Hemodynamics and Histology in Dilated Human Hearts: Immunohistochemical Study of the Endomyocardial Biopsy Specimens, 1137

Myoglobin

Kinetics of Myoglobin Release and Prediction of Myocardial Myoglobin Depletion After Coronary Artery Reperfusion, 676

Myomectomy

Septal Myotomy-Myomectomy Versus Mitral Valve Replacement in Hypertrophic Cardiomyopathy: Ten-Year Followup in 185 Patients, I-57

N

Naloxonazine

Opiate Receptor Inhibition Improves the Blunted Baroreflex Function in Conscious Dogs With Right-Sided Congestive Heart Failure, 1010

Naloxone

Opiate Receptor Inhibition Improves the Blunted Baroreflex Function in Conscious Dogs With Right-Sided Congestive Heart Failure, 1010 Natriuretic peptides, atrial

Blunted Sympathetic Response to Cardiopulmonary Receptor Unloading in Hypertensive Patients With Left Ventricular Hypertrophy: A Possible Compensatory Role of Atrial Natriuretic Factor, 883

Captopril Restores Hemodynamic Responsiveness to Atrial Natriuretic Peptide in Rats With Heart Failure, 1886

Effects of Atrial Natriuretic Peptide on the Coronary Arterial Vasculature in Humans, 1627

Failure of Atrial Natriuretic Factor to Increase With Volume Expansion in Acute and Chronic Congestive Heart Failure in the Dog, 651

Sympathoadrenal Inhibition by Atrial Natriuretic Peptide Is Not Attenuated During Development of Congestive Heart

Failure in Dogs, 1862

The N-Terminus and a 4,000-MW Peptide From the Midportion of the N-Terminus of the Atrial Natriuretic Factor Prohormone Each Circulate in Humans and Increase in Congestive Heart Failure, 438

Ventricular Expression of Atrial Natriuretic Polypeptide and Its Relations With Hemodynamics and Histology in Dilated Human Hearts: Immunohistochemical Study of the Endomyocardial Biopsy Specimens, 1137

Natriuretic peptide, factor

Low-Dose Infusion of Atrial Natriuretic Factor in Mild Essential Hypertension, 893

Nervous system, autonomic

Nifedipine Potentiates Cardiopulmonary Baroreflex Control of Sympathetic Nerve Activity in Healthy Humans: Direct Evidence From Microneurographic Studies, 285

Sympathoinhibitory Responses to Digitalis Glycosides in Heart Failure Patients: Direct Evidence From Sympathetic Neural Recordings, 65

Nervous system, parasympathetic

Time-Series Analysis of Heart Rate Variability During Submaximal Exercise: Evidence for Reduced Cardiac Vagal Tone in Animals Susceptible to Ventricular Fibrillation, 146

Nervous system, sympathetic

Induction of Vasospastic Attacks Despite Digital Nerve Block in Raynaud's Disease and Phenomenon, 859

 α_2 -Receptor-Mediated Vasoconstriction in Patients With Congestive Heart Failure, 1660

Reflex Responses to Myocardial Ischemia and Reperfusion: Role of Prostaglandins, 1878

Sympathoadrenal Inhibition by Atrial Natriuretic Peptide Is Not Attenuated During Development of Congestive Heart Failure in Dogs, 1862

Neurohormonal mechanisms

Pathophysiological Mechanisms Underlying the Adverse Effects of Calcium Channel Blocking Drugs in Patients With Chronic Heart Failure, IV-59

Nicardipine

Usefulness of Calcium Entry Blockers During and After Percutaneous Transluminal Coronary Artery Angioplasty, IV-88

Nicotine

Inverse Relation Between Serum Cotinine Concentration and Blood Pressure in Cigarette Smokers, 1309

Nifedipine

Effects of Calcium Entry Blockade on Myocardial Blood Flow, IV-40

Usefulness of Calcium Entry Blockers During and After Percutaneous Transluminal Coronary Artery Angioplasty, IV-88

Nitrates

Theoretical Considerations in the Use of Calcium Entry Blockers in Silent Myocardial Ischemia, IV-74

Nitroglycerin

Effects of Atrial Natriuretic Peptide on the Coronary Arterial Vasculature in Humans, 1627

Vitroprussido

Myocardial Energetics in Patients With Dilated Cardiomyopathy: Influence of Nitroprusside and Enoximone, 51

Noninvasive monitoring β_2 -Microglobulin: A Reliable Parameter for Differentiating Between Graft Rejection and Severe Infection After Cardiac Transplantation, 1681

Non-Q wave infarction

Thrombolysis and Its Sequelae: Calcium Antagonists as Potential Adjunctive Therapy, IV-93

Intracoronary Adenosine Administered After Reperfusion Limits Vascular Injury After Prolonged Ischemia in the Canine Model, 1388

Norepinephrine

Edema of Cardiac Origin: Studies of Body Water and Sodium, Renal Function, Hemodynamic Indexes, and Plasma Hormones in Untreated Congestive Cardiac Failure, 299

Impaired Chronotropic Response to Exercise in Patients With Congestive Heart Failure: Role of Postsynaptic B-Adrenergic Desensitization, 314
Persistence of Sympathetic-Mediated Forearm Vasoconstric-

tion After a-Blockade in Hypertensive Patients, 485 Selective Enhancement of the Cardiac Sympathetic Response

to Exercise by Anginal Chest Pain in Humans, 1642 Sympathoadrenal Inhibition by Atrial Natriuretic Peptide Is Not Attenuated During Development of Congestive Heart Failure in Dogs, 1862

Nuclear magnetic resonance spectroscopy

Cell Calcium in the Pathophysiology of Ventricular Fibrillation and in the Pathogenesis of Postarrhythmic Contractile Dysfunction, 369

Nuclear ventriculography

Adequate Preservation of Right Ventricular Function After Coronary Sinus Cardioplegia: A Clinical Study, III-19

A Prospective Study of Nutritional Factors and Hypertension Among US Women, 1320

Effect of a Critical Coronary Stenosis on Myocardial Neutrophil Accumulation During Ischemia and Early Reperfusion in Dogs, 1805

Increased Adenosine Concentration in Blood From Ischemic Myocardium by AICA Riboside: Effects on Flow, Granulocytes, and Injury, 1400

Is τ a Preload-Independent Measure of Isovolumetric Relaxation? 1757

Two-dimensional Echocardiographic and Color Flow Doppler Evaluation of Ductal Occlusion With the Rashkind Prosthesis, 1706

Oculopneumoplethysmography (OPG-Gee)

Reexploration for Thrombosis in Carotid Endarterectomy, III-73

O-Desmethyl encainide

Acute Electrophysiologic Effects of Sodium Administration in Dogs Treated With O-Desmethyl Encainide, 994

ω-3 fatty acids

Mechanisms Responsible for Inhibition of Vein-Graft Arteriosclerosis by Fish Oil, I-109

Operative mortality

The Changing Pattern of Coronary Artery Bypass Surgery, I-151

Organ failure

Hemodynamic Characteristics of the Jarvik-7 Total Artificial Heart, III-152

An Overview of Randomized Trials of Rehabilitation With Exercise After Myocardial Infarction, 234

Oxygen consumption

Recovery-Phase Patterns of ST Segment Depression in the Heart Rate Domain: Identification of Coronary Artery Disease by the Rate-Recovery Loop, 533

Oxygen radicals

Myccardial Glutathione Depletion Impairs Recovery After Short Periods of Ischemia, 1449

Pharmacokinetics of Superoxide Dismutase During Hypothermic Cardiopulmonary Bypass, III-25

Pacing

Electrophysiologic Spectrum of Concealed Intranodal Conduction During Atrial Rate Acceleration in a Model of 2:1 Atrioventricular Block, 43

Panaverine

Flow-Dependent Coronary Artery Dilatation in Humans, 466 Reactivity of Human Isolated Internal Mammary Artery to Constrictor and Dilator Agents: Implications for Treatment of Internal Mammary Artery Spasm, I-141

Partial agonist activity

Hemodynamic and \(\beta\)-Adrenergic Receptor Adaptations During Long-term B-Adrenoceptor Blockade: Studies With Acebutolol, Atenolol, Pindolol, and Propranolol in Hypertensive Patients, 903

Patient selection

Coronary Arteries in the Hypoplastic Left Heart Syndrome: Histopathologic and Histometrical Studies and Implications for Surgery, I-168

Peak systolic velocity

Fetal Cardiac and Peripheral Arterial Flow Velocity Waveforms in Intrauterine Growth Retardation, 1711

Pentoxifylline

Conservative Drug Treatment in Patients With Moderately Severe Chronic Occlusive Peripheral Arterial Disease, 1549

Peptides

Substance P Dilates Epicardial Coronary Arteries and Increases Coronary Blood Flow in Humans, 475

Percutaneous balloon aortic valvuloplasty

Octogenarians With Aortic Stenosis: Outcome After Aortic Valve Replacement, I-49

Percutaneous transluminal coronary angioplasty

One-Year Follow-up Results of the 1985-1986 National Heart, Lung, and Blood Institute's Percutaneous Transluminal Coronary Angioplasty Registry, 421

Usefulness of Calcium Entry Blockers During and After Percutaneous Transluminal Coronary Artery Angioplasty, TV-88

Percutaneous valvuloplasty

Aortic Stenosis in Elderly Patients Aged 80 or Older: Treatment by Percutaneous Balloon Valvuloplasty in a Series of

Perfused hearts

Calcium and Its Role in Myocardial Cell Injury During Ischemia and Reperfusion, IV-17

Perfusion gradients

Simultaneous Aortic, Jugular Bulb, and Right Atrial Pressures During Cardiopulmonary Resuscitation in Humans: Insights Into Mechanisms, 361

Pericardial constraint

Effects of Volume Loading During Experimental Acute Pulmonary Embolism, 178

Pericardial effusion

Two-Dimensional and Doppler-Echocardiographic and Cardiac Catheterization Correlates of Survival in Primary Pulmonary Hypertension, 353

Pericardial patch

Surgical Treatment of Aortic Root Abscess, I-269

Perioperative complication

Reexploration for Thrombosis in Carotid Endarterectomy, III-73

Peripheral vascular disease

Effects of Exercise Training on Common Femoral Artery Blood Flow in Patients With Intermittent Claudication, III-59

Peripheral vasculature

Peripheral Vascular Disease: Rheologic Variables During Controlled Ischemia, 348

Pertussis tovin

Endothelium-Dependent Inhibition of Ergonovine-Induced Contraction Is Impaired in Porcine Coronary Arteries With Regenerated Endothelium, 643

Pharmacology

- Calcium Antagonists: Pharmacologic Differences and Similarities, IV-184
- Use of Calcium Entry Blockers in Elderly Patients: Special Considerations, IV-171

Phenoxybenzamine

Persistence of Sympathetic-Mediated Forearm Vasoconstriction After α-Blockade in Hypertensive Patients, 485

Phenylephrine

- Comparison of Measures of Left Ventricular Contractile Performance Derived From Pressure-Volume Loops in Conscious Dogs, 1378
- Opiate Receptor Inhibition Improves the Blunted Baroreflex Function in Conscious Dogs With Right-Sided Congestive Heart Failure, 1010

Hemodynamic and B-Adrenergic Receptor Adaptations During Long-term β-Adrenoceptor Blockade: Studies With Acebutolol, Atenolol, Pindolol, and Propranolol in Hypertensive Patients, 903

Placental vascular resistance

Fetal Cardiac and Peripheral Arterial Flow Velocity Waveforms in Intrauterine Growth Retardation, 1711

Plaque

Biochemical Basis for the Difference Between Normal and Atherosclerotic Arterial Fluorescence, 1893

Plasminogen activators

Seeding of Intravascular Stents With Genetically Engineered Endothelial Cells, 1347

Abolition of In Vivo Platelet Thrombus Formation in Primates With Monoclonal Antibodies to the Platelet GPIIb/IIIa Receptor: Correlation With Bleeding Time, Platelet Aggregation, and Blockade of GPIIb/IIIa Receptors, 1766 Alleviation of Myocardial Stunning by Leukocyte and Platelet

Depletion, 1828

- Platelet and Vascular Function During Coronary Thromboly-
- sis With Tissue-Type Plasminogen Activator, 1718 Prevention of Reoccluding Platelet-Rich Thrombi in Canine Femoral Arteries With a Novel Peptide Antagonist of Platelet Glycoprotein IIb/IIIa Receptors, 1775

Population-based study

Epidemiology of Idiopathic Dilated and Hypertrophic Cardiomyopathy: A Population-Based Study in Olmsted County, Minnesota, 1975-1984, 564

Postinfarction ischemia

Recurrent Ischemia Without Warning: Analysis of Risk Factors for In-Hospital Ischemic Events Following Successful Thrombolysis With Intravenous Tissue Plasminogen Activator, 1159

Postinfarction therapy

The Interaction Between Diltiazem and Left Ventricular Function After Myocardial Infarction, IV-102

Potassium

- Dietary Alcohol, Calcium, and Potassium: Independent and Combined Effects on Blood Pressure, 609
- Distribution of Extracellular Potassium and Electrophysiologic Changes During Two-Stage Coronary Ligation in the Isolated, Perfused Canine Heart, 165
- Magnesium Content of Serum, Circulating Mononuclear Cells, Skeletal Muscle, and Myocardium in Congestive Heart
- Metabolic Protection by Verapamil During Graded Coronary Flow Reduction Independent of Effect on Baseline Systolic Function: Separation of Mechanical and Ionic Markers of Ischemia, 1870

Predictors

The Changing Pattern of Coronary Artery Bypass Surgery, I-151

Pressoreceptors

- Nifedipine Potentiates Cardiopulmonary Baroreflex Control of Sympathetic Nerve Activity in Healthy Humans: Direct Evidence From Microneurographic Studies, 285
- Sympathoinhibitory Responses to Digitalis Glycosides in Heart Failure Patients: Direct Evidence From Sympathetic Neural Recordings, 65

Pressure

Persistence of Sympathetic-Mediated Forearm Vasoconstriction After α-Blockade in Hypertensive Patients, 485

Pressure-segment length relation

Effects of Graded Reductions in Coronary Perfusion Pressure on the Diastolic Pressure-Segment Length Relation and the Rate of Isovolumic Relaxation in the Resting Conscious Dog, 1458

Pressure-volume relation

Comparison of Measures of Left Ventricular Contractile Performance Derived From Pressure-Volume Loops in Conscious Dogs, 1378

Determinants of End-Systolic Pressure-Volume Relations During Acute Regional Ischemia In Situ, 1783

- Left Ventricular Volume Measurement by Conductance Catheter in Intact Dogs: Parallel Conductance Volume Depends on Left Ventricular Size, 1360
- Measurement of End-Systolic Pressure-Volume Relations by Intra-Aortic Balloon Occlusion, 1016

Prevalence

Epidemiology of Idiopathic Dilated and Hypertrophic Cardiomyopathy: A Population-Based Study in Olmsted County, Minnesota, 1975-1984, 564

Prinzmetal's angina

Calcium Antagonists in the Treatment of Prinzmetal's Angina and Unstable Angina Pectoris, IV-78

Prognosis

Prognostic Importance of Dipyridamole-Echocardiography Test in Coronary Artery Disease, 450

Programmed electrical stimulation

Programmed Electrical Stimulation at Potential Ventricular Reentry Circuit Sites: Comparison of Observations in Humans With Predictions From Computer Simulations, 793

Propranolol

- Hemodynamic and β-Adrenergic Receptor Adaptations During Long-term β-Adrenoceptor Blockade: Studies With Acebutolol, Atenolol, Pindolol, and Propranolol in Hypertensive Patients, 903
- Response of Blood Pressure, Cardiac Output, Peripheral Resistance, and Exercise Performance to Substitution of Calcium Blocker for \(\beta \)-Blocker Plus Thiazide Diuretic Therapy in Patients With Both Systemic Hypertension and Mild Stable Angina, IV-162
- Reversal of Proarrhythmic Effects of Flecainide Acetate and Encainide Hydrochloride by Propranolol, 1571

Prostaglandins

- Mechanisms Responsible for Inhibition of Vein-Graft Arteriosclerosis by Fish Oil, I-109
- Platelet and Vascular Function During Coronary Thrombolysis With Tissue-Type Plasminogen Activator, 1718 Reflex Responses to Myocardial Ischemia and Reperfusion:
- Role of Prostaglandins, 1878

Prostheses

Seeding of Intravascular Stents With Genetically Engineered Endothelial Cells, 1347

Prosthetic aortic valve implantation

Preoperative Identification of Patients Likely to Have Left Ventricular Dysfunction After Aortic Valve Replacement: Participants in the Veterans Administration Cooperative Study on Valvular Heart Disease, I-65

Prosthetic valves

- Continuous Wave Doppler Echocardiographic Measurement of Prosthetic Valve Gradients: A Simultaneous Doppler-Catheter Correlative Study, 504
- Rest and Exercise Evaluation of St. Jude Medical and Medtronic Hall Prostheses: Influence of Primary Lesion,

Valvular Type, Valvular Size, and Left Ventricular Function, I-16

Survival and Bioprosthetic Valve Failure: Ten-Year Followup, I-8

Ten-Year Experience With the Medtronic Hall Valvular Prosthesis: A Study of 1,104 Patients, I-43

Proteinuria

Calcium Channel Blockers: Progression of Renal Disease, IV-47

Proteoglycan

Intimal Fibromuscular Hyperplasia at the Venous Anastomosis of FTFE Grafts in Hemodialysis Patients: Clinical, Immunocytochemical, Light and Electron Microscopic Assessment, 1726

Pulmonary embolism

Treatment of Acute Venous Thromboembolism With Low Molecular Weight Heparin (Fragmin): Results of a Double-Blind Randomized Study, 935

Pulmonary artery index

Pulmonary Artery Index: A Nonpredictor of Operative Survival in Patients Undergoing Modified Fontan Repair, I-216

Pulmonary hypertension

Effects of Volume Loading During Experimental Acute Pulmonary Embolism, 178

Optimal Timing of Pediatric Heart Transplantation, III-84

Pulmonary vascular obstructive disease

Results of the Arterial Switch Operation for Transposition of the Great Arteries With Ventricular Septal Defect: Surgical Considerations and Midterm Follow-up Data, 1689

Pulmonary vascular resistance

Cardiac Transplant Recipients With Preoperative Pulmonary Hypertension: Evolution of Pulmonary Hemodynamics and Surgical Options, III-90

Pulmonary veno-occlusive disease

Histopathology of Primary Pulmonary Hypertension: A Qualitative and Quantitative Study of Pulmonary Blood Vessels From 58 Patients in the National Heart, Lung, and Blood Institute Primary Pulmonary Hypertension Registry, 1198

Pulsatility index

Fetal Cardiac and Peripheral Arterial Flow Velocity Waveforms in Intrauterine Growth Retardation, 1711

Efficacy of Metabolic Support With Glucose-Insulin-Potassium for Left Ventricular Pump Failure After Aortocoronary Bypass Surgery, I-91

Purkinie fibers

Action Potential Duration Alternans in Dog Purkinje and Ventricular Muscle Fibers: Further Evidence in Support of Two Different Mechanisms, 1421

QRST time integral map

Diagnostic Value of QRST Isointegral Maps in Detecting Myocardial Infarction Complicated by Bundle Branch Block, 542

QT interval

Electrocardiographic Quantitation of Ventricular Repolarization, 1301

Radiofrequency energy

Chronic Incomplete Atrioventricular Block Induced by Radiofrequency Catheter Ablation, 951

Radionnelide

Assessment of Left Ventricular Functional Preservation During Isolated Cardiac Valve Operations, III-1

Rate-pressure product

Regional Myocardial Oxygen Consumption Determined Noninvasively in Humans With [1-11C]Acetate and Dynamic Positron Tomography, 863

Raynaud's disease

Induction of Vasospastic Attacks Despite Digital Nerve Block in Raynaud's Disease and Phenomenon, 859

Receptor-regulated calcium channels

Recent Insights Into the Calcium Channels, IV-14 Role of Calcium on Excitation-Contraction Coupling in Cardiac and Vascular Smooth Muscle, IV-1

Recipient selection

Cardiac Transplant Recipients With Preoperative Pulmonary Hypertension: Evolution of Pulmonary Hemodynamics and Surgical Options, III-90

Reentrant cardiac rhythms

Role of Calcium in Arrhythmogenesis, IV-23

Reflexes, cardiovascular

Opiate Receptor Inhibition Improves the Blunted Baroreflex Function in Conscious Dogs With Right-Sided Congestive Heart Failure, 1010

Ventricular Sensory Endings Mediate Reflex Bradycardia During Coronary Arteriography in Humans, 1293

Regional myocardial function

Effects of Graded Reductions in Coronary Perfusion Pressure on the Diastolic Pressure-Segment Length Relation and the Rate of Isovolumic Relaxation in the Resting Conscious Dog, 1458

Registry

One-Year Follow-up Results of the 1985-1986 National Heart, Lung, and Blood Institute's Percutaneous Transluminal Coronary Angioplasty Registry, 421

Rehabilitation, cardisc

An Overview of Randomized Trials of Rehabilitation With Exercise After Myocardial Infarction, 234

Rejection

Prophylactic OKT3 Used as Induction Therapy for Heart Transplantation, III-79

Renal circulation

Hemodynamic and β-Adrenergic Receptor Adaptations During Long-term β-Adrenoceptor Blockade: Studies With Acebutolol, Atenolol, Pindolol, and Propranolol in Hypertensive Patients, 903

Renin

Edema of Cardiac Origin: Studies of Body Water and Sodium, Renal Function, Hemodynamic Indexes, and Plasma Hormones in Untreated Congestive Cardiac Failure, 299

Hemodynamic and β-Adrenergic Receptor Adaptations During Long-term β -Adrenoceptor Blockade: Studies With Acebutolol, Atenolol, Pindolol, and Propranolol in Hypertensive Patients, 903

Reperfusion

Assessment of Myocardial Salvage After Ischemia and Reperfusion Using Magnetic Resonance Imaging and Spectros-

Effect of a Critical Coronary Stenosis on Myocardial Neutrophil Accumulation During Ischemia and Early Reperfusion in Dogs, 1805

Intracoronary Adenosine Administered After Reperfusion Limits Vascular Injury After Prolonged Ischemia in the Canine Model, 1388

Kinetics of Myoglobin Release and Prediction of Myocardial Myoglobin Depletion After Coronary Artery Reperfusion,

Prognostic Implications and Predictors of Enhanced Regional Wall Motion of the Noninfarct Zone After Thrombolysis and Angioplasty Therapy of Acute Myocardial Infarction, 245

Progressive Impairment of Regional Myocardial Perfusion After Initial Restoration of Postischemic Blood Flow, 1846 Relation Between Myocardial Glutathione Content and Extent of Ischemia-Reperfusion Injury, 1795

Thrombolysis and Its Sequelae: Calcium Antagonists as Potential Adjunctive Therapy, IV-93

Verapamil Preserves Myocardial Performance and Energy Metabolism in Left Ventricular Hypertrophy Following Ischemia and Reperfusion: Phosphorus 31 Magnetic Resonance Spectroscopy Study, 1837

Reperfusion injury

Neutrophil Depletion Limited to Reperfusion Reduces Myocardial Infarct Size After 90 Minutes of Ischemia: Evidence for Neutrophil-Mediated Reperfusion Injury, 1816

Prevention of Postischemic Cardiac Injury by the Orally Active Iron Chelator 1,2-Dimethyl-3-Hydroxy-4-Pyridone (L1) and the Antioxidant (+)-Cyanidanol-3, 158

Repolarization

Electrocardiographic Quantitation of Ventricular Repolarization, 1301

Restenosis

Recurrent Ischemia More Than 1 Year After Successful Percutaneous Transluminal Coronary Angioplasty: An Analysis of the Extent and Anatomic Pattern of Coronary Disease, 1580

Usefulness of Calcium Entry Blockers During and After Percutaneous Transluminal Coronary Artery Angioplasty, IV-88

Retrograde cardioplegia

Adequate Preservation of Right Ventricular Function After Coronary Sinus Cardioplegia: A Clinical Study, III-19

Rheology

Peripheral Vascular Disease: Rheologic Variables During Controlled Ischemia, 348

Right ventricular function

Adequate Preservation of Right Ventricular Function After Coronary Sinus Cardioplegia: A Clinical Study, III-19

Right ventricular repair

Echocardiography and Color-Flow Mapping Evaluation of a New Reconstructive Surgical Technique for Ebstein's Anomaly, I-197

Risk factors

Antihypertensive Treatment: Considerations Beyond Blood Pressure Control, IV-120

Risk Stratification of Patients With Non-Q Wave Myocardial Infarction: The Critical Role of ST Segment Depression, 1148

S

Sarcoplasmic reticulum

Action Potential Duration Alternans in Dog Purkinje and Ventricular Muscle Fibers: Further Evidence in Support of Two Different Mechanisms, 1421

Selective cerebral perfusion

Surgery for Aortic Arch Aneurysm With Selective Cerebral Perfusion and Hypothermic Cardiopulmonary Bypass, I-243

Selectivity

Pharmacology of TA-3090 (8-Chloro Diltiazem) Related to Its Cerebrovascular Protective Properties, IV-178

Serotonergic receptors

Endothelium-Dependent Inhibition of Ergonovine-Induced Contraction Is Impaired in Porcine Coronary Arteries With Regenerated Endothelium, 643

Serotonin

Endothelium-Dependent Relaxation in Response to Aggregating Platelets in Porcine Femoral Veins and Its Modulation by Diet, 401

Endothelium-Derived Relaxing Factor and Coronary Vasospasm, 1

Endothelium-Derived Relaxing Factor and Protection Against Contractions Induced by Histamine and Serotonin in the Human Internal Mammary Artery and in the Saphenous Vein, 1041

Serum cholesterol

Carotid Arteriosclerosis in Identical Twins Discordant for Cigarette Smoking, 10

Shift workers

Twenty-Four-Hour Ambulatory Blood Pressure in Shift Workers, 341

Side effects

Pulsed Steroids for Treatment of Cardiac Rejection After Transplantation: What Dosage Is Necessary? III-97

Silent ischemia

Prevalence and Clinical Significance of Silent Myocardial Ischemia, IV-68

Singlet oxygen

Singlet Oxygen-Induced Arrhythmias: Dose- and Light-Response Studies for Photoactivation of Rose Bengal in the Rat Heart, 1432

Skeletal muscl

Contribution of Intrinsic Skeletal Muscle Changes to ³¹P NMR Skeletal Muscle Metabolic Abnormalities in Patients With Chronic Heart Failure, 1338

Slow inward current

Role of Calcium on Excitation-Contraction Coupling in Cardiac and Vascular Smooth Muscle, IV-1

Smooth muscle cell

Intimal Fibromuscular Hyperplasia at the Venous Anastomosis of PTFE Grafts in Hemodialysis Patients: Clinical, Immunocytochemical, Light and Electron Microscopic Assessment, 1726

Mechanisms Responsible for Inhibition of Vein-Graft Arteriosclerosis by Fish Oil. I-109

Sodium bicarbonate

Acute Electrophysiologic Effects of Sodium Administration in Dogs Treated With O-Desmethyl Encainide, 994

Sodium chloride

Acute Electrophysiologic Effects of Sodium Administration in Dogs Treated With O-Desmethyl Encainide, 994

Spectrometry

Noninvasive Detection of Skeletal Muscle Underperfusion With Near-Infrared Spectroscopy in Patients With Heart Failure, 1668

Spectroscopy

Biochemical Basis for the Difference Between Normal and Atherosclerotic Arterial Fluorescence, 1893

ST segments

Risk Stratification of Patients With Non-Q Wave Myocardial Infarction: The Critical Role of ST Segment Depression, 1148

Stenoses

Aortic Stenosis in Elderly Patients Aged 80 or Older: Treatment by Percutaneous Balloon Valvuloplasty in a Series of 92 Cases, 1514

Assessment of Severity of Coronary Stenoses Using a Doppler Catheter: Validation of a Method Based on the Continuity Equation, 625

Details of Coronary Stenosis Morphology Influence Its Hemodynamic Severity and Distal Flow Reserve, 636

Effect of a Critical Coronary Stenosis on Myocardial Neutrophil Accumulation During Ischemia and Early Reperfusion in Dogs, 1805

Exercise Treadmill Testing Is a Poor Predictor of Anatomic Restenosis After Angioplasty for Acute Myocardial Infarction, 1585

Impact of Compensatory Enlargement of Atherosclerotic Coronary Arteries on Angiographic Assessment of Coronary Artery Disease, 1603

Influence of Mitral Valve Morphology on Double-Balloon Catheter Balloon Valvuloplasty in Patients With Mitral Stenosis: Analysis of Factors Predicting Immediate and 3-Month Results, 515

Steroids

Pulsed Steroids for Treatment of Cardiac Rejection After Transplantation: What Dosage Is Necessary? III-97

Steroid-Induced Myocardial Preservation Is Associated With Decreased Cell Membrane Microviscosity, III-36

Stress scintigraphy

Efficacy of Coronary Artery Bypass Surgery With Gastroepiploic Artery: Assessment With Thallium 201 Myocardial Scintigraphy, I-135

Stress test

The Safety of Maximal Exercise Testing, 846

Stroke

Pharmacology of TA-3090 (8-Chloro Diltiazem) Related to Its Cerebrovascular Protective Properties, IV-178

Reexploration for Thrombosis in Carotid Endarterectomy, III-73

Stroke volume

Amelioration of Postischemic Stunning by Deferoxamine-Blood Cardioplegia, III-30

Dynamic Mitral Regurgitation: An Important Determinant of the Hemodynamic Response to Load Alterations and Inotropic Therapy in Severe Heart Failure, 306

ST-T changes

Diagnostic Value of QRST Isointegral Maps in Detecting Myocardial Infarction Complicated by Bundle Branch Block, 542

Stunned myocardium

Myocardial Glutathione Depletion Impairs Recovery After Short Periods of Ischemia, 1449

Subendocardium

Effects of Calcium Entry Blockade on Myocardial Blood Flow, IV-40

Substance P

Substance P Dilates Epicardial Coronary Arteries and Increases Coronary Blood Flow in Humans, 475

Superoxid

Singlet Oxygen-Induced Arrhythmias: Dose- and Light-Response Studies for Photoactivation of Rose Bengal in the Rat Heart, 1432

Superoxide dismutase

Pharmacokinetics of Superoxide Dismutase During Hypothermic Cardiopulmonary Bypass, III-25

Supraventricular tachycardia

Catheter Ablation of the Atrioventricular Junction With Radiofrequency Energy, 1527

Electrophysiologic Effects of Dipyridamole on Atrioventricular Nodal Conduction and Supraventricular Tachycardia: Role of Endogenous Adenosine, 1536

Percutaneous Catheter Modification of the Atrioventricular Node: A Potential Cure for Atrioventricular Nodal Reentrant Tachycardia, 757

Surgery

Ambulatory Follow-up of Aortic Dissection by Transesophageal Two-Dimensional and Color-Coded Doppler Echocardiography, 24

Avoidance of Embolic Complications by Ultrasonic Characterization of the Ascending Aorta, I-275

Determinants of Survival in Endomyocardial Fibrosis, I-177 Impact of Cardiovascular Operation on Survival in the Marfan Patient, I-233

Laser-Assisted Reconstructive Vascular Surgery, III-49 Late Functional Deterioration After Atrial Correction for

Transposition of the Great Arteries, I-162

Medical Compared With Surgical Management of Unstable Angina: 5-Year Mortality and Morbidity in the Veterans Administration Study, 1176

Noninvasive Determination of Coronary Artery Bypass Graft Patency by Cine Magnetic Resonance Imaging, 1595

Octogenarians With Aortic Stenosis: Outcome After Aortic Valve Replacement, I-49

Stimulated Preconditioned Skeletal Muscle Cardiomyoplasty: An Effective Means of Cardiac Assist, III-202

The Changing Pattern of Coronary Artery Bypass Surgery, I-151

Survival

Prognosis in Patients With Low Left Ventricular Ejection Fraction After Myocardial Infarction: Importance of Exercise Capacity, 1636

Ten-Year Experience With the Medtronic Hall Valvular Prosthesis: A Study of 1,104 Patients, I-43

Sympathetic activity

Persistence of Sympathetic-Mediated Forearm Vasoconstriction After α-Blockade in Hypertensive Patients, 485

Sympathetic tone

Selective Enhancement of the Cardiac Sympathetic Response to Exercise by Anginal Chest Pain in Humans, 1642

Sympathomimetic amines

Isoproterenol-Induced Alterations in Myocardial Blood Flow, Systolic and Diastolic Function in Conscious Dogs With Heart Failure, 658 T wave

Slow and Long-Lasting Modulation of Myocardial Repolarization Produced by Ectopic Activation in Isolated Rabbit Hearts: Evidence for Cardiac "Memory," 1412

Tachyarrhythmias

Transesophageal Low-Energy Cardioversion in an Animal Model of Life-Threatening Tachyarrhythmias, 1354

Tachycardia

Exercise Response Before and After Termination of Atrial Tachycardia After Congenital Heart Disease Surgery, 106

Takayasu's disease

Surgical Consideration of Aortitis Involving the Aortic Root, I-222

Target population

Conservative Drug Treatment in Patients With Moderately Severe Chronic Occlusive Peripheral Arterial Disease, 1549

Is τ a Preload-Independent Measure of Isovolumetric Relaxation? 1757

99mTc-Sestamibi

Feasibility of Tomographic 99mTc-Hexakis-2-Methoxy-2-Methylpropyl-Isonitrile Imaging for the Assessment of Myocardial Area at Risk and the Effect of Treatment in Acute Myocardial Infarction, 1277

^{99m}Tc blood pool scintigraphy

Volume-Pressure Analysis of Reflex Changes in Forearm Venous Function: A Method by Mental Arithmetic Stress and Radionuclide Plethysmography, 99

Thallium

Detection of Coronary Artery Stenosis in Children With Kawasaki Disease: Usefulness of Pharmacologic Stress ²⁰¹Tl Myocardial Tomography, 615

Therapy

Pulsed Steroids for Treatment of Cardiac Rejection After Transplantation: What Dosage Is Necessary? III-97

Thoracic aorta

Ambulatory Follow-up of Aortic Dissection by Transesophageal Two-Dimensional and Color-Coded Doppler Echocardiography, 24

Thrombins

Circadian Variation of Plasma Fibrinopeptide A Level in Patients With Variant Angina, 1617

Pharmacology of TA-3090 (8-Chloro Diltiazem) Related to Its Cerebrovascular Protective Properties, IV-178

Thromboaortopathy

Natural History of Aortoarteritis (Takayasu's Disease), 429

Thromboembolic complications

Ten-Year Experience With the Medtronic Hall Valvular Prosthesis: A Study of 1,104 Patients, I-43

Thrombolysis

Correlation Between Template Bleeding Times and Spontaneous Bleeding During Treatment of Acute Myocardial Infarction With Recombinant Tissue-Type Plasminogen Activator, 581

Kinetics of Myoglobin Release and Prediction of Myocardial Myoglobin Depletion After Coronary Artery Reperfusion,

676

Pharmacodynamics of Thrombolysis With Recombinant Tissue-Type Plasminogen Activator: Correlation With Characteristics of and Clinical Outcomes in Patients With Acute Myocardial Infarction, 1222

Prevention of Reoccluding Platelet-Rich Thrombi in Canine Femoral Arteries With a Novel Peptide Antagonist of Plate-

let Glycoprotein IIb/IIIa Receptors, 1775

Recurrent Ischemia Without Warning: Analysis of Risk Factors for In-Hospital Ischemic Events Following Successful Thrombolysis With Intravenous Tissue Plasminogen Activator, 1159

Seeding of Intravascular Stents With Genetically Engineered Endothelial Cells, 1347

Serial Angiographic Assessment of Coronary Artery Obstruction and Collateral Flow in Acute Myocardial Infarction: Report From the Second Mount Sinai-New York University Reperfusion Trial, 1166

Thrombolysis and Its Sequelae: Calcium Antagonists as Potential Adjunctive Therapy, IV-93

Abolition of In Vivo Platelet Thrombus Formation in Primates With Monoclonal Antibodies to the Platelet GPIIb/IIIa Receptor: Correlation With Bleeding Time, Platelet Aggregation, and Blockade of GPIIb/IIIa Receptors, 1766

Intracoronary Thrombus and Complex Morphology in Unstable Angina: Relation to Timing of Angiography and In-

Hospital Cardiac Events, 17

Morphometric Analysis of the Composition of Atherosclerotic Plaques in the Four Major Epicardial Coronary Arteries in Acute Myocardial Infarction and in Sudden Coronary Death, 1747

Primary Pulmonary Hypertension: Vascular Structure, Morphometry, and Responsiveness to Vasodilator Agents, 1207 Treatment of Acute Venous Thromboembolism With Low

Molecular Weight Heparin (Fragmin): Results of a Double-Blind Randomized Study, 935

Thromboxanes

Endothelium-Derived Relaxing Factor and Coronary Vasospasm, 1

Mechanisms Responsible for Inhibition of Vein-Graft Arteriosclerosis by Fish Oil, I-109

Platelet and Vascular Function During Coronary Thrombolysis With Tissue-Type Plasminogen Activator, 1718

Reactivity of Human Isolated Internal Mammary Artery to Constrictor and Dilator Agents: Implications for Treatment of Internal Mammary Artery Spasm, I-141

Tissue characterization

Ultrasonic Tissue Characterization With Integrated Backscatter: Acute Myocardial Ischemia, Reperfusion, and Stunned Myocardium in Patients, 491

Tissue-type plasminogen activator

Pharmacodynamics of Thrombolysis With Recombinant Tissue-Type Plasminogen Activator: Correlation With Characteristics of and Clinical Outcomes in Patients With Acute Myocardial Infarction, 1222 Platelet and Vascular Function During Coronary Thromboly-

sis With Tissue-Type Plasminogen Activator, 1718

Prevention of Reoccluding Platelet-Rich Thrombi in Canine Femoral Arteries With a Novel Peptide Antagonist of Platelet Glycoprotein IIb/IIIa Receptors, 1775

Prognostic Implications and Predictors of Enhanced Regional Wall Motion of the Noninfarct Zone After Thrombolysis and Angioplasty Therapy of Acute Myocardial Infarction, 245

Tissue-type plasminogen activator, recombinant

Correlation Between Template Bleeding Times and Spontaneous Bleeding During Treatment of Acute Myocardial Infarction With Recombinant Tissue-Type Plasminogen Activator. 581

Inverse Relation Between Serum Cotinine Concentration and Blood Pressure in Cigarette Smokers, 1309

Tomography

Detection of Coronary Artery Stenosis in Children With Kawasaki Disease: Usefulness of Pharmacologic Stress 201Tl Myocardial Tomography, 615

Total circulatory arrest

Effects of Cardiopulmonary Bypass on Cerebral Blood Flow in Neonates, Infants, and Children, I-209

Tracer kinetic model

³N Ammonia Myocardial Imaging at Rest and With Exercise in Normal Volunteers: Quantification of Absolute Myocardial Perfusion With Dynamic Positron Emission Tomography, 1328

Transesophageal cardioversion

Transesophageal Low-Energy Cardioversion in an Animal Model of Life-Threatening Tachyarrhythmias, 1354

Transesophageal two-dimensional echocardiography

Ambulatory Follow-up of Aortic Dissection by Transesophageal Two-Dimensional and Color-Coded Doppler Echocardiography, 24

Transmural distribution

Regulation of Ventricular Atrial Natriuretic Peptide Release in Hypertrophied Rat Myocardium: Effects of Exercise, 390 Transplantation

Abnormal Exercise Hemodynamics in Cardiac Allograft Recipients 1 Year After Cardiac Transplantation: Relation to Preload Reserve, 525

Arrhythmias After Orthotopic Cardiac Transplantation: Prevalence and Determinants During Initial Hospitalization and Late Follow-up, III-140

Cardiac Allograft Ischemic Time: Relation to Graft Survival and Cardiac Function, III-116

Cardiac Transplant Recipients With Preoperative Pulmonary Hypertension: Evolution of Pulmonary Hemodynamics and Surgical Options, III-90

Coronary Artery Disease in Cardiac Transplant Patients Receiving Triple-Drug Immunosuppressive Therapy, III-111 Extended Donor Age in Cardiac Transplantation, III-133

β₂-Microglobulin: A Reliable Parameter for Differentiating Between Graft Rejection and Severe Infection After Cardiac Transplantation, 1681

Optimal Timing of Pediatric Heart Transplantation, III-84 Prevalence of Accelerated Coronary Artery Disease in Heart Transplant Survivors: Comparison of Cyclosporine and Azathioprine Regimens, III-100

Prophylactic OKT3 Used as Induction Therapy for Heart Transplantation, III-79

Relation Between Survival and Development of Coronary Artery Disease and Anti-HLA Antibodies After Cardiac Transplantation, III-122

Results of the First 100 Patients Who Received Symbion Total Artificial Hearts as a Bridge to Cardiac Transplantation,

The Older Cardiac Transplant Donor: Relation to Graft Function and Recipient Survival Longer Than 6 Years, III-126 Ventricular Sensory Endings Mediate Reflex Bradycardia

During Coronary Arteriography in Humans, 1293

Transposition of the great arteries

Exercise Response Before and After Termination of Atrial Tachycardia After Congenital Heart Disease Surgery, 106 Late Functional Deterioration After Atrial Correction for

Transposition of the Great Arteries, I-162 Rapid, Two-Stage Arterial Switch for Transposition of the Great Arteries and Intact Ventricular Septum Beyond the

Neonatal Period, I-203

Results of the Arterial Switch Operation for Transposition of the Great Arteries With Ventricular Septal Defect: Surgical Considerations and Midterm Follow-up Data, 1689

Treadmill test

The Safety of Maximal Exercise Testing, 846

Tricuspid repair

Echocardiography and Color-Flow Mapping Evaluation of a New Reconstructive Surgical Technique for Ebstein's Anomaly, I-197

Triple-drug immunosuppression

Coronary Artery Disease in Cardiac Transplant Patients Receiving Triple-Drug Immunosuppressive Therapy, III-111

Association of Elevated Anti-Sarcolemma, Anti-Idiotype Antibody Levels With the Clinical and Pathologic Expression of Chronic Chagas Myocarditis, 1269

Type A dissection

Surgical Management of Acute Aortic Dissection Complicated by Stroke, I-257

U

UL-FS 49

Mechanisms of Improved Ischemic Regional Dysfunction by Bradycardia: Studies on UL-FS 49 in Swine, 983

Avoidance of Embolic Complications by Ultrasonic Characterization of the Ascending Aorta, I-275

Intravascular Ultrasound Cross-Sectional Arterial Imaging Before and After Balloon Angioplasty In Vitro, 873

V

Valves

A New Method for Estimating Left Ventricular dP/dt by Continuous Wave Doppler-Echocardiography: Validation Studies at Cardiac Catheterization, 1287

Assessment of Left Ventricular Functional Preservation During Isolated Cardiac Valve Operations, III-1

Assessment of Left-to-Right Airial Shunting After Percutaneous Mitral Valvuloplasty by Transesophageal Color Doppler Flow-Mapping, 1521

Continuous Wave Doppler Echocardiographic Measurement of Prosthetic Valve Gradients: A Simultaneous Doppler-Catheter Correlative Study, 504

Indications, Complications, and Short-term Clinical Outcome of Percutaneous Transvenous Mitral Commissurotomy, 782

Mitral Valve Dimensions and Motion in Marfan Patients With and Without Mitral Valve Prolapse: Comparison to Primary Mitral Valve Prolapse and Normal Subjects, 915

Simultaneous Aortic, Jugular Bulb, and Right Atrial Pressures During Cardiopulmonary Resuscitation in Humans: Insights Into Mechanisms, 361

Survival and Bioprosthetic Valve Failure: Ten-Year Followup, I-8

Valvular Surgery in the Elderly, I-77

Vascular resistance

Hemodynamic and β-Adrenergic Receptor Adaptations During Long-term β-Adrenoceptor Blockade: Studies With Acebutolol, Atenolol, Pindolol, and Propranolol in Hypertensive Patients, 903

Vascular smooth muscle

Pulsed Ultraviolet Laser Irradiation Produces Endothelium-Independent Relaxation of Vascular Smooth Muscle, 189

Natural History of Aortoarteritis (Takayasu's Disease), 429 Vasoconstriction

 α_2 -Receptor-Mediated Vasoconstriction in Patients With Congestive Heart Failure, 1660

Vasodilation

Atherosclerosis Impairs Flow-Mediated Dilation of Coronary Arteries in Humans, 458

Captopril Restores Hemodynamic Responsiveness to Atrial Natriuretic Peptide in Rats With Heart Failure, 1886

Vasodilator agents

Primary Pulmonary Hypertension: Vascular Structure, Morphometry, and Responsiveness to Vasodilator Agents, 1207

Vasopressin

Edema of Cardiac Origin: Studies of Body Water and Sodium, Renal Function, Hemodynamic Indexes, and Plasma Hormones in Untreated Congestive Cardiac Failure, 299

Vasospasm

Endothelium-Dependent Inhibition of Ergonovine-Induced Contraction Is Impaired in Porcine Coronary Arteries With Regenerated Endothelium, 643

Induction of Vasospastic Attacks Despite Digital Nerve Block in Raynaud's Disease and Phenomenon, 859

Veins

Saphenous Vein Graft Patency 1 Year After Coronary Artery Bypass Surgery and Effects of Antiplatelet Therapy: Results of a Veterans Administration Cooperative Study, 1190

Volume-Pressure Analysis of Reflex Changes in Forearm Venous Function: A Method by Mental Arithmetic Stress and Radionuclide Plethysmography, 99

Vena cava

Is τ a Preload-Independent Measure of Isovolumetric Relaxation? 1757

Venoconstriction

Volume-Pressure Analysis of Reflex Changes in Forearm Venous Function: A Method by Mental Arithmetic Stress and Radionuclide Plethysmography, 99

Venodilation

Volume-Pressure Analysis of Reflex Changes in Forearm Venous Function: A Method by Mental Arithmetic Stress and Radionuclide Plethysmography, 99

Ventricular assist device

Successful Biventricular Circulatory Support as a Bridge to Cardiac Transplantation During Prolonged Ventricular Fibrillation and Asystole, III-147

Ventricular elastance

Determinants of End-Systolic Pressure-Volume Relations During Acute Regional Ischemia In Situ, 1783

Ventricular failure

Isoproterenol-Induced Alterations in Myocardial Blood Flow, Systolic and Diastolic Function in Conscious Dogs With Heart Failure, 658

Ventricular fibrillation

Electropharmacology of Amiodarone Therapy Initiation: Time Courses of Onset of Electrophysiologic and Antiarrhythmic Effects, 34

Intraventricular Plus Intra-aortic Balloon Pumping During Intractable Cardiac Arrest, III-167

The Coherence Spectrum:: A Quantitative Discriminator of Fibrillatory and Nonfibrillatory Cardiac Rhythms, 112 Time-Dependent Risk of and Predictors for Cardiac Arrest

Time-Dependent Risk of and Predictors for Cardiac Arrest Recurrence in Survivors of Out-of-Hospital Cardiac Arrest With Chronic Coronary Artery Disease, 599

Time-Series Analysis of Heart Rate Variability During Submaximal Exercise: Evidence for Reduced Cardiac Vagal Tone in Animals Susceptible to Ventricular Fibrillation, 146

Ventricular function A New Method for Estimating Left Ventricular dP/dt by

A New Method for Estimating Left Ventricular dP/dt by Continuous Wave Doppler-Echocardiography: Validation Studies at Cardiac Catheterization, 1287

Determinants of End-Systolic Pressure-Volume Relations During Acute Regional Ischemia In Situ, 1783

Early Improvement in Left Ventricular Diastolic Function After Relief of Chronic Right Ventricular Pressure Overload, 823

Myocardial Glutathione Depletion Impairs Recovery After Short Periods of Ischemia, 1449

Prognostic Implications and Predictors of Enhanced Regional Wall Motion of the Noninfarct Zone After Thrombolysis and Angioplasty Therapy of Acute Myocardial Infarction, 245

Slow and Long-Lasting Modulation of Myocardial Repolarization Produced by Ectopic Activation in Isolated Rabbit Hearts: Evidence for Cardiac "Memory," 1412

Ventricular Expression of Atrial Natriuretic Polypeptide and Its Relations With Hemodynamics and Histology in Dilated Human Hearts: Immunohistochemical Study of the Endomyocardial Biopsy Specimens, 1137

Ventricular function, hemodynamics

Abnormal Exercise Hemodynamics in Cardiac Allograft Recipients 1 Year After Cardiac Transplantation: Relation to Preload Reserve, 525

Ventricular hypertrophy

Isoproterenol-Induced Alterations in Myocardial Blood Flow, Systolic and Diastolic Function in Conscious Dogs With Heart Failure, 658

Ventricular interaction

Effects of Volume Loading During Experimental Acute Pulmonary Embolism, 178

Ventricular outflow reconstruction

Aortic Root Replacement With Pulmonary Autograft, III-209 Ventricular septal defect

Results of the Arterial Switch Operation for Transposition of the Great Arteries With Ventricular Septal Defect: Surgical Considerations and Midterm Follow-up Data, 1689

Ventricular stretch

Regulation of Ventricular Atrial Natriuretic Peptide Release in Hypertrophied Rat Myocardium: Effects of Exercise, 390

Ventricular tachycardia

- Antiarrhythmic Efficacy, Clinical Electrophysiology, and Pharmacokinetics of 3-Methoxy-O-Desmethyl Encainide (MODE) in Patients With Inducible Ventricular Tachycardia or Fibrillation, 1247
- Electropharmacology of Amiodarone Therapy Initiation: Time Courses of Onset of Electrophysiologic and Antiarrhythmic Effects, 34
- Potential Mapping in Septal Tachycardia: Evaluation of a New Intraoperative Mapping Technique, I-97
- Programmed Electrical Stimulation at Potential Ventricular Reentry Circuit Sites: Comparison of Observations in Humans With Predictions From Computer Simulations, 793
- Reversal of Proarrhythmic Effects of Flecainide Acetate and Encainide Hydrochloride by Propranolol, 1571
- Surgical Treatment of Ventricular Tachycardia: Regional Cryoablation Guided by Computerized Epicardial and Endocardial Mapping, I-124
- Time-Dependent Risk of and Predictors for Cardiac Arrest Recurrence in Survivors of Out-of-Hospital Cardiac Arrest
- With Chronic Coronary Artery Disease, 599 Use of Calcium Channel Entry Blockers in the Treatment of Cardiac Arrhythmias, IV-31

Effects of Calcium Entry Blockade on Myocardial Blood Flow, IV-40

Voltage-dependent calcium channels

- Recent Insights Into the Calcium Channels, IV-14
- Role of Calcium on Excitation-Contraction Coupling in Cardiac and Vascular Smooth Muscle, IV-1

Volume loading
Effects of Volume Loading During Experimental Acute Pulmonary Embolism, 178

Wave reflection

Noninvasive Determination of Age-Related Changes in the Human Arterial Pulse, 1652

Response to Ischemia-Reperfusion Injury in Hypertrophic Heart: Role of Free-Radical Metabolic Pathways, III-10

Wolff-Parkinson-White syndrome

Asymptomatic Wolff-Parkinson-White: Should We Intervene? 1902

Vohimbine

α2-Receptor-Mediated Vasoconstriction in Patients With Congestive Heart Failure, 1660